MAP NO.: 106C 13

ASSESSMENT REPORT
PROSPECTUS
CONFIDENTIAL X
OPEN FILE

DOCUMENT NO: 093168
MINING DISTRICT: MAYO
TYPE OF WORK: GEOCHEM, GEOLOGY

REPORT FILED UNDER: WESTMIN RESOURCES

DATE PERFORMED: JUNE 12-28, 1993 **DATE FILED:** FEB 21, 1994

LOCATION: **LAT.:** 64°57'N **AREA:** FAIRCHILD LAKE

LONG.: 133°46'W **VALUE $:** 20,650

CLAIM NAME & NO.: FAIR 1-78(YB29162-239),FAIR 79-94 (YB42289-304)

WORK DONE BY: D.A. CAULFIELD

WORK DONE FOR: WESTMIN RESOURCES LIMITED

DATE TO GOOD STANDING:	

REMARKS: 172 SOIL AND 20 ROCK SAMPLES COLLECTED

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

093163

TRANSMITTAL FORM

M.R. file no.

R.M.M.R. file no.

Date forwarded: 15 Feb. 94

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. — From — To
- ☐ GROUPING APPLICATION UNDER SEC. 52(2) PLACER MINING ACT. — Owner
- ☐ DIAMOND DRILL LOGS — Claims — Claim sheet no.
- ☑ QUARTZ ASSESSMENT REPORT — Claims: Fair 1-94 — Claim sheet no.: 106-C-13

Type of report: Geology / Geochem

Submitted by: Wastmin Resources Limited. David A. Coulfield.

Cls. work performed on

$ req. for ren. application: 20,650.00

OFFICE OF THE REGIONAL MINERAL RIGHTS AGENT FEB 21 1994 WHITEHORSE YUKON TERRITORY

Graham

Signature

Date returned

REPLY ACTION

Signature

802-6027-26 (6-86)

RECEIVED
FEB 15 1994
MINING RECORDER
MAYO, Y.T.
LA. & M.B.

093168

1993 SUMMARY REPORT ON THE FAIR 1-78 CLAIMS

OFFICE OF THE REGIONAL
MINERAL RECORDER
FEB 21 1994
WHITEHORSE
YUKON TERRITORY

Located in the Wernecke Mountains
Mayo Mining District
NTS 106C/13
64° 57′ North Latitude
133° 46′ West Longitude

-prepared for-
WESTMIN RESOURCES LIMITED

-prepared by-
David A. Caulfield, P.Geo.

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

1993 SUMMARY REPORT ON THE FAIR 1-78 CLAIMS

TABLE OF CONTENTS

		Page
1.0	INTRODUCTION	.1.
2.0	LIST OF CLAIMS	.1.
3.0	LOCATION, ACCESS AND PHYSIOGRAPHY	.2.
4.0	AREA AND PROPERTY EXPLORATION HISTORY	
4.1	Area Exploration History	.3.
4.2	Property Exploration History	.4.
5.0	1993 EXPLORATION PROGRAM	.4.
6.0	REGIONAL GEOLOGY	.5.
7.0	PROPERTY GEOLOGY	.6.
8.0	MINERALIZATION	.7.
9.0	SOIL GEOCHEMISTRY	.8.
10.0	CONCLUSIONS AND RECOMMENDATIONS	.9.

APPENDICES

Appendix A	Bibliography
Appendix B	List of Personnel
Appendix C	Statement of Expenditures
Appendix D	Rock Sample Descriptions
Appendix E	Certificates of Analysis
Appendix F	Statistical Analysis
Appendix G	Geologist's Certificate

LIST OF TABLES

		Page
Table 2.0.1	Claim Data	.2.
Table 9.0.1	Fair Soil Geochemical Threshold Levels	.23.

LIST OF FIGURES

		Following Page
Figure 1	Location Map	.1.
Figure 2	Claim Map	.1.
Figure 3	Regional Geology	.5.
Figure 4	Geology Map	-pocket-
Figure 5	Soil and Rock Sample Geochemistry (Cu)	-pocket-
Figure 6	Soil and Rock Sample Geochemistry (Au)	-pocket-

1.0 INTRODUCTION

The Fair mineral claims are located in the Bonnet Plume River valley, approximately 185 kilometres north-northeast of Mayo in east central Yukon (Figure 1). The property, which is located in the Wernecke Mountains, staddles hummocky ridges and till terraces south of Fairchild Lake. 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.

The Fair claims area was the focus of sporadic copper exploration in the late 1960s to the mid 1970s by both major and junior mining companies. Exploration emphasis in the late 1970s shifted to numerous uranium showings and concluded in 1981 with Energex Minerals evaluating the uranium potential of the claims area.

The geological setting of the Wernecke Mountains is considered excellent for hosting Olympic Dam type copper-uranium-gold-silver breccia deposits. Following the encouraging exploration results on Slab Mountain located 12 kilometres to the northwest, it was decided to acquire by staking the Fair 1-78 claims in October 1992. The Fair 79-94 claims were staked in October, 1993.

In 1993, an exploration program was undertaken consisting of grid establishment, geological mapping, soil geochemistry 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 program, the Fair property comprised 78 contiguous quartz mineral claims located in the Mayo Mining District (Figure 2). Government records indicate that the 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 16 claims (Fair 79-94) were staked, on behalf of the joint venture, to 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.

WESTMIN RESOURCES LIMITED

FAIRCHILD PROJECT

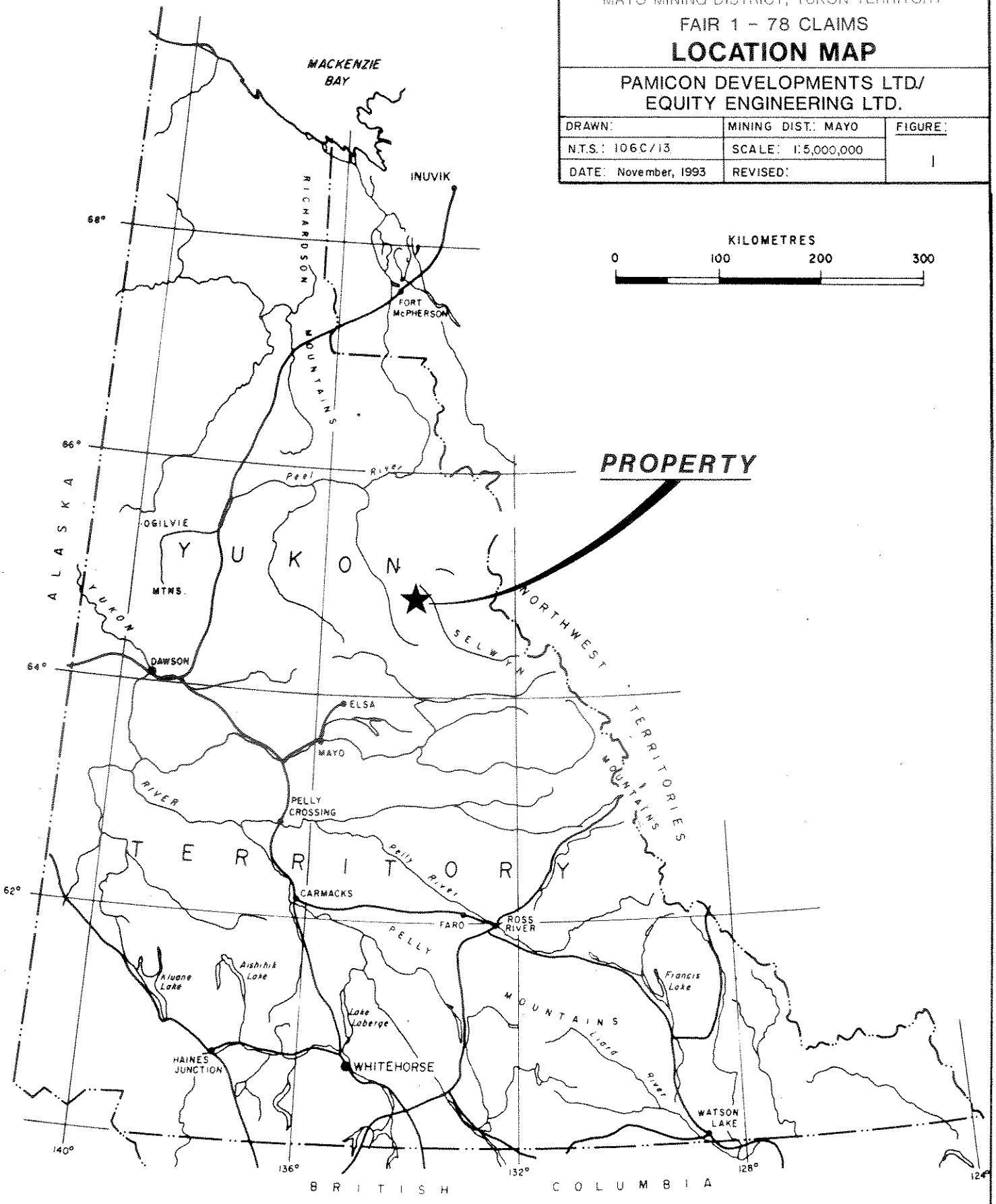
MAYO MINING DISTRICT, YUKON TERRITORY

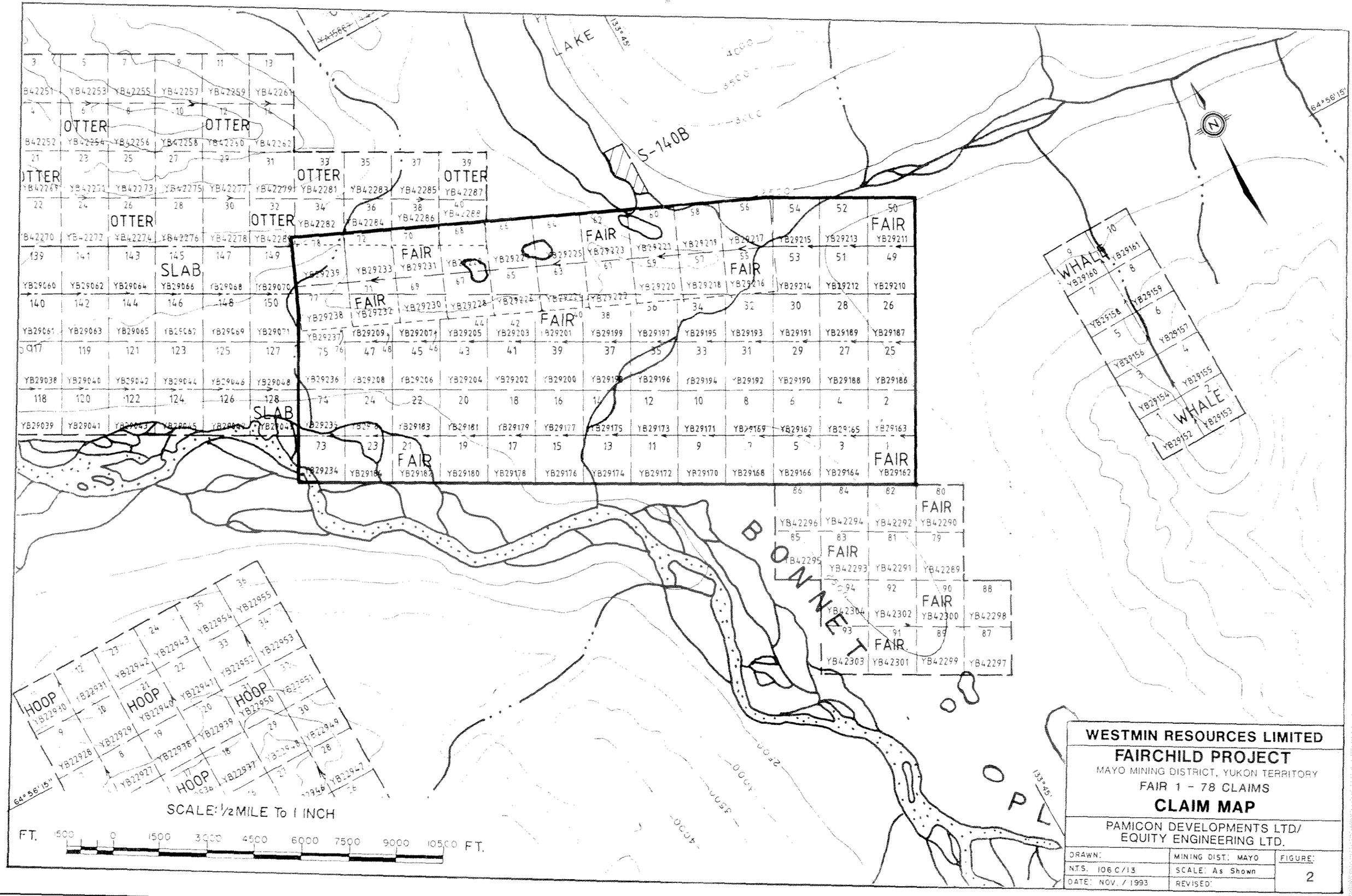
FAIR 1 - 78 CLAIMS

LOCATION MAP

PAMICON DEVELOPMENTS LTD./
EQUITY ENGINEERING LTD.

DRAWN:	MINING DIST.: MAYO	FIGURE:
N.T.S.: 106C/13	SCALE: 1:5,000,000	1
DATE: November, 1993	REVISED:	





WESTMIN RESOURCES LIMITED

FAIRCHILD PROJECT

MAYO MINING DISTRICT, YUKON TERRITORY

FAIR 1 - 78 CLAIMS

CLAIM MAP

PAMICON DEVELOPMENTS LTD/
EQUITY ENGINEERING LTD.

DRAWN:	MINING DIST.: MAYO	FIGURE: 2
N.T.S. 106 C/13	SCALE: As Shown	
DATE: NOV. / 1993	REVISED:	

TABLE 2.0.1
CLAIM DATA

Claim Name	Record Numbers	Record Date	Expiry Date	NTS
Fair 1- 8	YB29162-169	10/19/92	12/31/95*	106C13
9 - 16	YB29170-177	10/19/92	12/31/96*	106C13
17 - 31	YB29178-192	10/19/92	12/31/95*	106C13
32 - 40	YB29193-201	10/19/92	12/31/96*	106C13
41 - 48	YB29202-209	10/19/92	12/31/95*	106C13
49 - 61	YB29210-222	10/19/92	12/31/96*	106C13
62	YB29223	10/19/92	12/31/95*	106C13
63	YB29224	10/19/92	12/31/96*	106C13
64 - 78	YB29225-239	10/19/92	12/31/95*	106C13
79 - 94	YB42289-304	10/12/93	10/12/94	106C13

* Subject to approval of assessment work covered by this report

3.0 LOCATION, ACCESS AND PHYSIOGRAPHY

The Fair 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 west and southwest of Fairchild Lake along the north side of the Bonnet Plume River valley. Coordinates for the property are 64°57′ north latitude and 133°46′ 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 Fair property centered 15 kilometres east-northeast 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 1960s was utilized again during work on the Snake River (Crest) iron deposit. In the late 1960s, several spur trails and airstrips were constructed providing access to the Dolores Creek, Wind River, and Bonnet Plume (Hoover) copper prospects and to the Bear River iron deposit. The Wind River winter road was used by Pan Ocean Oil during their coal and uranium exploration program in 1979 and 1980.

Elevations on the Fair property range from 610 to 914 metres above sea level and relief varies from gentle to moderate. The claim group straddles a hummocky, northwest trending ridge with intervening alluvial and glacio-fluvial/lacustrine terraces that have been cut by two deeply incised gorges. The property lies below tree line where the vegetation consists of stunted spruce, wild rose, arctic sage, dwarf alder and willow.

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.

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

In 1971, the discovery of zinc-lead showings in the Mackenzie Mountains to the east brought exploration activity to the southeastern portion of the Wernecke Mountains. Continued lead-zinc exploration in the Proterozoic basin led to the discovery of uranium mineralization in 1974 by Archer Cathro and Associates Ltd. In the period 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 1980s 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

Minfile occurrence 106C/13-007, which lies within the Fair claims, has been previously staked three times. During the period 1967-69, Cyprus Exploration Corporation Limited., through its subsidiary Hercules Exploration Corporation, undertook mapping, soil sampling, magnetic and IP surveys and trenching (Assessment Report 019049). The claims were allowed to lapse and were restaked in 1974 by Magni Development Ltd. Menika Mining Ltd., under option from Magni Developments, performed an airborne magnetic and VLF-EM survey and drilled two holes (138 m) that same year. The diamond drilling was directed at EM anomalies but failed to intersect any significant mineralization. The claims were dropped and the area remained open until 1978 when Energex Minerals Ltd. restaked the occurrence. Mapping, geochemical and radiometric surveys were completed in 1978 (Assessment Report 090445), followed by hand trenching in 1979 (Assessment Report 090596) and orthophoto map preparation, geological mapping, soil geochemistry and geophysics in 1981 (Assessment Report 090830). The work to date has focused on intrusive-hosted copper mineralization on the east side of Fairchild Creek (Fair "A" showing) and minor uranium showings on the west side of the Lake.

5.0 1993 EXPLORATION PROGRAM

During the period June 12-28, Westmin Resources Limited carried out an exploration program on the Fair claims, consisting of grid establishment, soil geochemistry, geological mapping, and prospecting.

An enlargement of an existing government aerial photograph to a scale of 1:20,000 was completed by the Orthoshop of Calgary, Alberta. The photo was used for field mapping and all data was transferred to a 1:10,000 topographic base. Grid establishment included the emplacement of a belt-chained, flagged baseline along a pre-existing claim line with slope corrected, flagged and compassed crosslines. The baseline measured 3.2 kilometres and ten crosslines totalled 7.4 kilometres.

On the Fair grid, 172 samples were collected at 50 metre

intervals on ten lines and along part of the baseline. In addition, a single contour soil line (720 m) was established on the southern part of the property with 30 samples taken every 50 metres. Seven silt samples were collected.

Soil samples were collected, where possible, from "B" horizon material at depths ranging from 10 to 40 cm and placed in numbered kraft envelopes. The sample site was marked in the field with plastic flagging and 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. Analytical procedures and a complete set of results for gold, lanthanum and 24-elements by ICP geochemistry may be found in the appendices.

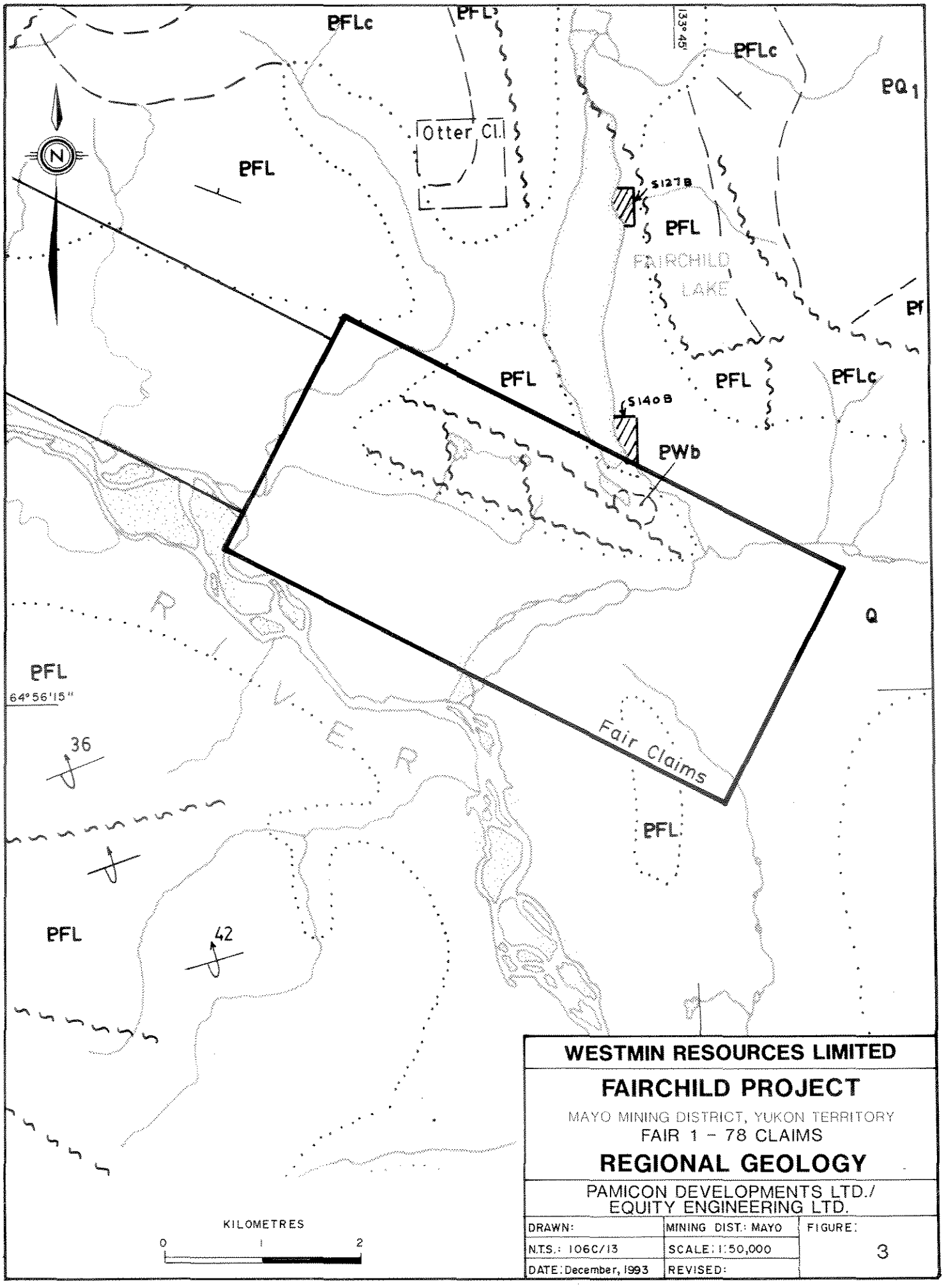
A total of 20 rock samples was collected on the property. In the field, sample locations were marked by a metal tag and a combination of pink and blue flagging. All samples were shipped to Chemex Labs and analyzed for gold-lanthanum plus 24-elements by ICP geochemistry. One overlimit assay was performed for copper. Rock description forms, analytical procedures and complete results are included in the appendices of this report.

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. Map sheet 106C/13 was mapped by Thorkelson and Wallace during the 1993 field season and this work is scheduled to be released early in 1994.

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.



WESTMIN RESOURCES LIMITED

FAIRCHILD PROJECT

MAYO MINING DISTRICT, YUKON TERRITORY

FAIR 1 - 78 CLAIMS

REGIONAL GEOLOGY

PAMICON DEVELOPMENTS LTD./
EQUITY ENGINEERING LTD.

DRAWN:	MINING DIST.: MAYO	FIGURE:
N.T.S.: 106C/13	SCALE: 1:50,000	3
DATE: December, 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

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 trending anticlinal structure.

7.0 PROPERTY GEOLOGY

The Fair claim group is underlain by a metamorphosed and altered sequence of Fairchild Lake Group sediments, which are cut by breccias and dioritic intrusives (Figure 4). Amygdaloidal flows occurring between limestone beds and maroon arkose of the Pinguicula Group(?) were found in separate localities. The Fair claims have been subject to extensive faulting as evidenced by north-northwest, north and northeast trending lineaments.

The Fairchild Lake Group stratigraphy may be subdivided between an older package of siltstone (**Unit Fst**), calcareous siltstone (**Unit Fstc**) and interbedded limestone, siltstone and sandstone (**Unit Fss**) and overlying noncalcareous, green phyllite (**Unit Fph**). Some areas contain typical calc-silicate or skarn mineral assemblages of epidote, tremolite, chlorite and magnetite. Silica, chlorite and iron carbonate alteration is also common.

Unit **Fss** is a light green to brown weathering, rhymthically bedded unit of calcareous sandstone and siltstone. Unit **Fstc** is similarly carbonate-rich, but is primarily thinly laminated siltstone with minor sandstone and limestone horizons. Pervasive hematization and/or sericite development imparts a pinkish or greenish cast to the unit. Disseminated biotite and specular hematite give a grey coloration. Pebbly horizons were noted along the claim line southeast of the No.1 Posts for the Fair 54 and 55.

Unit **Fph** is fissile grey-green, phyllite that is strongly chloritic and sericitic. Quartz-carbonate-chlorite veins are common within this unit. A minor percentage of these veins contain magnetite, pyrite and chalcopyrite.

Noncalcareous siltstone (**Unit Fst**) and limestone (**Unit Fls**) were mapped along the creek northwest of the property boundary.

A magnetic, coarse-grained, equigranular dioritic intrusive (**Unit Idi**) was found along the bluffs on the north end of line 2200E. This rock unit is composed of plagioclase and chlorite

altered mafic minerals and magnetite. On the east side of Fairchild Creek, a dark green mafic flow/sill (**Unit Ibs**), which hosts the copper mineralization in the Fair "A" showing, occurs within silty limestone. The unit is coarse-grained at the bottom whereas at the top, it is fine-grained with flow banding, amygdaloidal and shows crackle flow top textures. The upper and lower contacts are sharp showing no metamorphic haloes. A similar flow complex is found on Slab Mountain, located 13 kilometres to the west. The age of this unit and the surrounding limestone is unknown, but has been tentatively assigned to the Pinguicula Group.

Heterolithic breccia (**Unit Bht**) was mapped on the east side of the prominent knob in the south part of the property. The breccia is dark grey to brown weathering, often pitted, with subrounded to rounded clasts up to 10 centimetres. Most of the fragments are from the Fairchild Lake Group, although chocolate brown weathering iron carbonate fragments are common and massive specular hematite fragments were noted. At one location, a sedimentary fragment exhibited folded textures. The breccia matrix intergrowth is a light coloured, coarse- to medium-grained, crystalline mass of albite, iron carbonate and silica and up to 15% specular hematite. Sediments in contact with the breccia are strongly altered by magnetite, iron carbonate, specular hematite, albite and sericite. The boundaries of the breccias are often indistinct and grade into marginal homolithic breccia phases (**Unit Bhm**) and crackled sediments. Although no breccia bodies were mapped on the grid, breccia intersections were encountered in the two drill holes completed in 1974.

8.0 MINERALIZATION

Chalcopyrite mineralization on the Fair property occurs within sedimentary units Fph and Fstc in isolated stringers, quartz veins and as weak disseminations and is concentrated in magnetite-iron carbonate-albite alteration zones adjacent to sodic breccias (Figures 5 and 6). The mineralization within the fissile phyllites (Fph) is very limited (#546101, #545601) and poor exposures of the magnetite-rich sediments adjacent to the breccia do not allow a thorough evaluation (#545606). The breccias and even massive specular hematite zones within them contain low copper and gold values. In addition to abundant specular hematite, the border phase of the breccia contains disseminated pyrite as pyrithedrons and irregular pyritic pods at the contact; samples from this mineralization indicates that the pyrite is probably cobalt-bearing (#545603 - 109 ppm Cu, 111 ppm cobalt; #545605 - 155 ppm Cu, 786 ppm Co).

The second type of copper occurrence is hosted in the magnetite-bearing flow unit Ibs at the Fair "A" showing. The best copper mineralization occurs as fracture-controlled bornite in tremolite, diopside and perhaps, hornblende veinlets restricted to

the coarse-grained, lower 10 metres of the flow. The majority of mineralized fractures have a 030°-040° orientation. The mineralization grades upward into minor chalcopyrite ± pyrite and specular hematite at the top of the flow. Grab samples 545608 (1735 ppm Cu - 13.5 m) and sample 545610 (2840 ppm Cu - 17.5 m) are representative of the grade and width of the bornite mineralization.

Fracture-controlled bornite mineralization is hosted in diorite intrusive (Idi) on the north end of line 2200E. Grab sample 545613 from this mineralization contained 1990 ppm copper.

9.0 SOIL GEOCHEMISTRY

The soil geochemical survey for the Fair grid was conducted on reconnaissance grid lines 200-400 metres apart (Figures 5 and 6). The baseline on the grid area followed the claim line which is oriented approximately 115° (295°). A total of 172 samples were taken at 50 metre intervals on cross lines and part of the baseline. In addition, a single contour soil line (720 m elev.) was established on the southern part of the property with 30 samples taken every 50 metres. Thresholds based on the 5th, 16th, 50th, 84th and 95th percentiles were used to determine anomalous areas for copper (Table 9.3.1). Gold values with the exception of 11 samples (max. value=25 ppb) are below detection limit. Samples were incorrectly marked on lies 2600E, 3000E, 3400E and 3800E so that samples taken south of the baseline are marked the same as designations north of the baseline (referred to as A and B samples in analytical certificate). It is not possible to differentiate these results so their copper values are not plotted; gold values could be plotted as all samples in doubt contained <5 ppb.

TABLE 9.0.1
FAIR SOIL GEOCHEMICAL THRESHOLD LEVELS

PERCENTILE	COPPER (ppm)	GOLD (ppb)	RATING
5th	18	*	
16th	26	*	
50th	40	*	
84th	86	*	Anomalous
95th	185	*	Strongly Anomalous

Interpretation of the soil analyses should be made with caution as the grid area overlies thick alluvial and lacustrine terraces. Sampling was hindered by permafrost developed in shaded areas.

The anomalous copper soil geochemistry in the northwest corner of the grid and the northern part of the Louis contour soil line reflects copper mineralization found in these areas. Gold values

are low throughout both survey areas.

Two of the seven silt samples, 93MS-01 and 93MS-03, returned anomalous copper values; the source of both samples is from an area northwest of Fair 1-78 claims. All silt samples contained <5 ppb gold.

10.0 CONCLUSIONS AND RECOMMENDATIONS

Copper mineralization on the Fair property occurs in three modes: (1) as isolated vein, stringer and disseminated chalcopyrite in sedimentary units of the Fairchild Lake Group, (2) chalcopyrite concentrated in magnetite, albite and iron carbonate altered zone adjacent to sodic-rich heterolithic breccia, and (3) fracture-controlled bornite and lesser chalcopyrite in mafic flow and intrusive units. The 1993 program was designed to provide a first pass of the entire property and determine the significance of the Fair "A" showing.

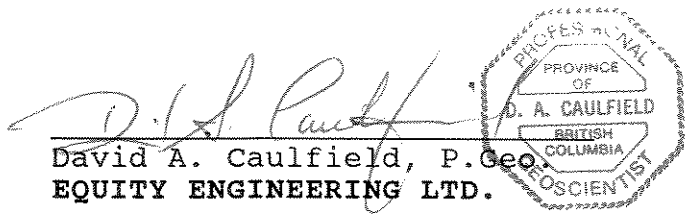
The best copper mineralization at the Fair "A" showing is restricted to the lower 10 metres of the flow complex unit with grades ranging between 2,000 and 4,000 ppm copper. This mineralization is exposed over a strike length of approximately 70 metres. The sampling returned insignificant gold values.

The copper mineralization exposed on the knob at the south end of the property warrants further investigation. Chalcopyrite is hosted in magnetite-albite-iron carbonate altered calcareous sediments adjacent to an sodic heterolithic breccia containing abundant disseminated specular hematite and massive specular hematite clasts. This geological setting and mineralizing style resembles that found on the Hoover property where an extensive copper-bearing zone has been defined in association with sodic breccia in Fairchild Lake Group rocks. This comparison is important as not only does the Hoover property contain impressive copper mineralization, but gold values are elevated as well.

The 1994 program should include more detailed evaluation of the mineralization exposed at the south end of the property. As rock exposure is limited and soil geochemistry has proven to be an effective tool, grid-oriented soil geochemistry should be implemented over the entire knob area. Geological mapping and a magnetics survey should be completed over the grid. If the results of this program are positive, trenching or drill testing should be conducted.

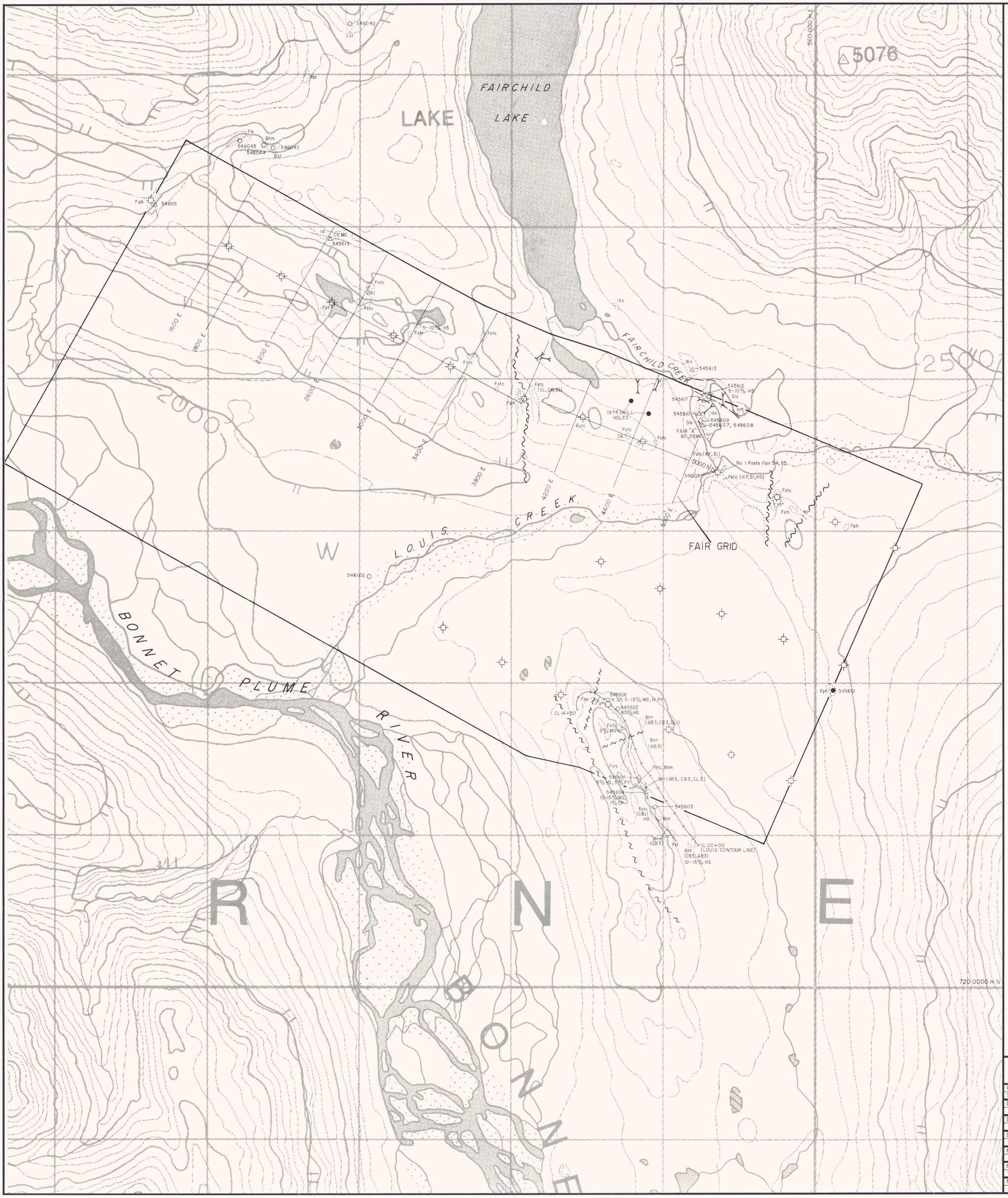
Exploration coverage of other areas on the Fair property is adequate at this time and further work should be restricted to following the anomalous copper soil geochemistry in the northwest corner of the grid.

Respectfully submitted,



David A. Caulfield, P.Geo.
EQUITY ENGINEERING LTD.

Vancouver, British Columbia
December, 1993



UTM GRID NORTH

UTM Grid North is 1° 08' East of True North

LEGEND

LITHOLOGIES

PROTEROZOIC

I *Igneous Rocks*
- Ibs amygdaloidal mafic volcanic/gabbro (Pinguicula Group ?)
- Idi 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
- Bhm Homolithic breccia: ranges from well brecciated to crackle brecciated to non–brecciated wall rocks

WERNECKE SUPERGROUP

S *Sedimentary Rocks*
- Sls limestone, in part – silty (Pinguicula Group ?)
- Sst arkosic sandstone, maroon (Pinguicula Group ?)

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.
- Fph grey to green phyllite (chloritoid development)
- Fss interbedded calcareous sandstone and siltstone (ribbed unit), minor limestone, phyllite
- Fst siltstone
- Fstc calcareous siltstone, minor limestone, sandstone

ALTERATION

Alteration Minerals

- AB albite
- CB carbonate
- CL chlorite
- EP epidote
- KF K–feldspar
- MS muscovite/sericite
- QZ quartz
- SI silica
- SK skarn

Alteration Intensity

- 1 weak
- 2 moderate
- 3 strong

MINERALIZATION

- BO – bornite
- CP – chalcopyrite
- HS – specular hematite
- MC – malachite
- MG – magnetite
- PY – pyrite

SYMBOLS

- Outcrop
- Geological Contact (approximate)
- Fault (assumed)
- 35° Bedding/Foliation
- Trench
- Claim Post
- Contour Soil Line
- △ Grab Sample
- ◊ Chip Sample
- ○ Float Sample

093168 DWG 502

Westmin Resources Limited

Work By	S.D./D.C./M.S.
Date Drafted	
Drafted By	
Date Revised	
Revised By	
N.T.S. Number	106 C/13
File Name	

FAIRCHILD PROJECT
FAIR PROPERTY
GEOLOGY MAP

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

Figure 4

555,000 E | 556,000 E | 557,000 E | 558,000 E | 559,000 E | 560,000 E | 561,000 E

7,207,000 N | 7,206,000 N | 7,205,000 N | 7,204,000 N | 7,203,000 N | 7,202,000 N | 7,201,000 N | 7,200,000 N

FAIRCHILD LAKE

BONNET PLUME RIVER

CLAIM BOUNDARY

L 1600 E | L 1800 E | L 2000 E | 2600 E | L 3200 E | L 3800 E | L 4000 E | L 4200 E | L 4600 E | L 5000 E

5400 N | BL 5000 N | 4500 N | 5200 N | 4700 N

UTM GRID NORTH

UTM Grid North is 1° 08' East of True North

LEGEND

SAMPLE TYPE (unnumbered)

- --- SOIL SAMPLE
- --- SILT SAMPLE

ROCK SAMPLE TYPE (numbered)

- --- GRAB
- --- CHIP
- --- LITHO
- --- FLOAT

Cu Values in PPM (SOILS,SILTS)

<1 –	18
18 –	26
26 –	40
40 –	86
86 –	185
185 >>>>>>>	

Cu Values in PPM (ROCKS)

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

NOTE Both ROCK and SOIL sample data have been plotted. ROCK samples are identified by a sample number SOIL samples have no sample number.

– All samples were taken in 1993.

– Sample values identified by "**" are not printed due to sample identification problems.

093163 DWG 503

Westmin Resources Limited

Work By	S.D./D.C./M.S.
Date Drafted	1-10-94
Drafted By	S. DYKES
Date Revised	
Revised By	
N.T.S. Number	106 C/13
File Name	FRSFAIRP

FAIRCHILD PROJECT

FAIR PROPERTY

SOIL AND ROCK GEOCHEMISTRY

200 0 200 400 600m

SCALE 1 : 10,000

Figure 5

555,000 E | 556,000 E | 557,000 E | 558,000 E | 559,000 E | 560,000 E | 561,000 E

7,207,000 N | 7,206,000 N | 7,205,000 N | 7,204,000 N | 7,203,000 N | 7,202,000 N | 7,201,000 N | 7,200,000 N

FAIRCHILD LAKE

CLAIM BOUNDARY

BONNET PLUME RIVER

L 1600 E | L 1800 E | L 2200 E | L 2600 E | L 3000 E | L 3400 E | L 3800 E | L 4200 E | L 4600 E | L 5000 E

5400 N | BL 5000 N | 4500 N | 5200 N | BL 5000 N | 4700 N

UTM GRID NORTH

UTM Grid North is 1° 08' East of True North

LEGEND

SAMPLE TYPE (unnumbered)

- SOIL SAMPLE
- SILT SAMPLE

ROCK SAMPLE TYPE (numbered)

- GRAB
- CHIP
- LITHO
- FLOAT

Au Values in PPB (SOILS,SILTS)

<5 –	5
5 –	7
7 –	11
11 –	17
17 –	26
26 >>>>>>>	

Au Values in PPB (ROCKS)

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

NOTE Both ROCK and SOIL sample data have been plotted. ROCK samples are identified by a sample number SOIL samples have no sample number.

– All samples were taken in 1993.

– Sample values identified by "**" are not printed due to sample identification problems.

093168 DWG 504

Westmin Resources Limited

Work By	S.D./D.C./M.S.
Date Drafted	1–10–94
Drafted By	S. DYKES
Date Revised	
Revised By	
N.T.S. Number	106 C/13
File Name	FRSFAIRP

FAIRCHILD PROJECT

FAIR PROPERTY

SOIL AND ROCK GEOCHEMISTRY

200 0 200 400 600m

SCALE 1 : 10,000

Figure 6

APPENDIX A

BIBLIOGRAPHY

BIBLIOGRAPHY

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

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

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

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

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

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

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

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

Campbell, K.V. and Ikona, C.K. (1981): Report on the Geological Mapping, Soil Sampling and Rock Sampling of the Fair Property; Report prepared for Energex Minerals Ltd.

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.

Dick, D.L. and Harmeson, B. (1981): Eagle 1-161, Otter 1-124 and Vole 1-43 Mineral Claims; Report submitted for assessment credits.

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

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

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

APPENDIX B

LIST OF PERSONNEL

LIST OF PERSONNEL

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
Vancouver, B.C. V6B 1N2

Shaun Dykes (Sr. Geologist)
904, 1055 Dunsmuir Street
Vancouver, B.C. V7X 1C4

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

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

APPENDIX C

STATEMENT OF EXPENDITURES

STATEMENT OF EXPENDITURES
FAIR 1 - 78 MINERAL CLAIMS

CANADA) In the matter of an evaluation program on the
) Fair 1-78 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 and soil geochemistry work was carried out on the Fair 1-78 Mineral Claims during the period June 12 to 26, 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.		
4.0 days @ $375/day	$ 1,500.00	
Mike Stammers, P. Geo.		
1.0 days @ $375/day	375.00	
Mark Baknes, P. Geo.		
1.0 days @ $200/day	200.00	
Tom Bell, Prospector		
3.0 days @ $250/day	750.00	
B. McCall, Sampler		
4.0 days @ $200/day	800.00	
Shaun Dykes, P. Geo.		
3.0 days @ $300/day	900.00	
Prorated Wages	2,554.75	$ 7,079.75

EXPENSES:

Helicopter:	Direct	$ 2,340.00
	Prorated	870.00
	Fuel	862.48
Fixed Wing		2,106.95
Travel, Accommodation & Meals		702.25
Airfare		159.32
Camp Food		691.55
Camp Fuel		25.61
Camp Rental		657.50
Rentals:	Radios	101.51
	Equipment	82.50
	Truck	224.68

Field Supplies		$ 279.32	
Freight		22.00	
Telephone		116.57	
Assays		3,669.94	
Reproductions		100.83	
Report:	Pamicon & Equity	3,689.10	
	Westmin	2,117.80	
Management Fees		2,575.00	$ 21,394.91

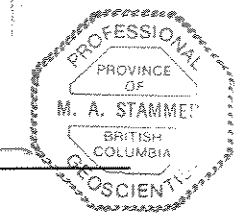
TOTAL: $ 28,474.66

Notes:

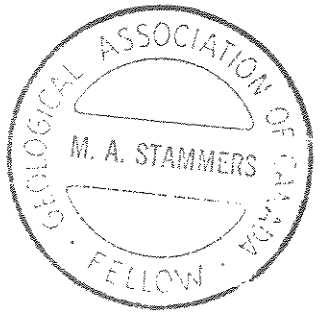
1. Wages are based on actual man days spent on the property.
2. Helicopter charges are based on actual hours flown.
3. Assay charges are based on actual numbers of samples from the property.
4. General expenses (all other costs) are prorated according to man days allocated to each property.

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)
10 day of FEBRUARY, 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.							Au	Ag	Co	Cu	Pb	Zn
	UTM :	N	Type : Float/talus	Alteration :	mCB, mMS, SI?		(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
		E	Strike Length Exp. : m	Metallics :	trCP, <1%PY							
545601	Elevation: 2450 ft		Sample Width : m	Secondaries:	wCV, wGE, wJA, trMC, wMN		<5	<0.2	14.	310.	4.	2010.
	Orientation: /		True Width : m	Host :	Light green silicious phyllite							

Comments : Sample from talus/subcrop along SE claim boundary of the Fair claim group. Chalcopyrite, pyrite along fractures and as small disseminations; generally weak copper mineralization.

Sample No.							Au	Ag	Co	Cu	Pb	Zn
	UTM :	N	Type : Float/talus	Alteration :	sCB, wQZ		(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
		E	Strike Length Exp. : m	Metallics :	80%HS							
545602	Elevation: 2430 ft		Sample Width : m	Secondaries:	GE		<5	<0.2	19.	58.	<2	64.
	Orientation: /		True Width : m	Host :	Heterolithic (intrusive?) breccia							

Comments : Sample from massive specular hematite in talus. Most of the slope is whitish, albitic heterolithic breccia. One boulder >1.0m in diameter.

Sample No.							Au	Ag	Co	Cu	Pb	Zn
	UTM :	N	Type : Float/talus	Alteration :	sCB, wCL		(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
		E	Strike Length Exp. : m	Metallics :	5-7%HS, <1%PY							
545603	Elevation: 2550 ft		Sample Width : m	Secondaries:	wGE, wJA		25.	<0.2	111.	109.	<2	26.
	Orientation: /		True Width : m	Host :	Heterolithic breccia							

Comments : Fe-carbonate-rich heterolithic breccia. Sample located 50m upslope from contour soil station 3+50m. Pyrite occurs as 3-5m pyritohedrons. Outcrop in immediate area.

Sample No.							Au	Ag	Co	Cu	Pb	Zn
	UTM :	N	Type : Grab	Alteration :	sCB, sAB		(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
		E	Strike Length Exp. : 1.0 m	Metallics :	1%CP, 10-15%MG							
545604	Elevation: 2525 ft		Sample Width : 1.5 m	Secondaries:	CC?, wMC		60.	<0.2	8.	3070.	<2	36.
	Jointing : 165 / 60 NE		True Width : 1.0 m	Host :	Heterolithic breccia							

Comments : Sample upslope from 4+00m in well fractured zone in more competent breccia. Total zone width is approximately 1.5m wide, although zone somewhat irregular.

Sample No.							Au	Ag	Co	Cu	Pb	Zn
	UTM :	N	Type : Grab	Alteration :	wCB, sAB		(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
		E	Strike Length Exp. : 5.0 m	Metallics :	5%HS, 5%PY							
545605	Elevation: 2475 ft		Sample Width : 4.0 m	Secondaries:	mGE, mJA		<5	<0.2	786.	155.	<2	32.
	Faulting : 170 / V		True Width : 1.0? m	Host :	Contact of hetero. breccia (intrus) & calcareous seds							

Comments : Grab from contact zone of intrusive albitic heterolithic breccia and calcareous sediments. A number of these gossanous zones located in bowl to south. Erratic style of mineralization.

Sample No.							Au	Ag	Co	Cu	Pb	Zn
	UTM :	N	Type : Float	Alteration :	mCA		(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
		E	Strike Length Exp. : m	Metallics :	trCP, 5-15%MG, trPY							
545606	Elevation:		Sample Width : m	Secondaries:	wGE		15.	<0.2	63.	4050.	<2	44.
	Orientation: /		True Width : m	Host :	Metasediment							

Comments : Calc-silicate metamorphosed sediments with calcite gashes. Sample located in talus under moss covered slope. Chalcopyrite is associated with magnetite.

Sample No.	UTM :			Au	Ag	Co	Cu	Pb	Zn
	N	Type : Chip	Alteration : mDI, mTR	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
	E	Strike Length Exp. : 7.0 m	Metallics : <1%BO, <1%CP, 5%MG						
545607	Elevation: 2390 ft	Sample Width : 1.90 m	Secondaries: mMC	<5	<0.2	62.	3980.	<2	44.
	Jointing : 010 / 80 W	True Width : 1.80 m	Host : Gabbro						

Comments : "A" showing on south end of Fair Copper Zone.

Sample No.	UTM :			Au	Ag	Co	Cu	Pb	Zn
	N	Type : Grab	Alteration : wDI, wTR	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
	E	Strike Length Exp. : 5.0 m	Metallics : trBO, trCP, 5%MG						
545608	Elevation: 2400 ft	Sample Width : 13.5 m	Secondaries: w-mMC	<5	<0.2	69.	1735.	<2	34.
	Orientation: 010 / 80 W	True Width : 10.0 m	Host : Gabbro						

Comments : "A" showing. Sample taken from contact with sediments to the top of the hill.

Sample No.	UTM :			Au	Ag	Co	Cu	Pb	Zn
	N	Type : Chip	Alteration : wDI, wTR	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
	E	Strike Length Exp. : 7.0 m	Metallics : 0.5%BO, trCP, 2%MG						
545609	Elevation: 2390 ft	Sample Width : 1.0 m	Secondaries: sMC	35.	2.0	63.	1.64%	<2	94.
	Jointing : 030 / 40 SE	True Width : 0.6 m	Host : Gabbro						

Comments : "A" showing - 10m north of 545608.

Sample No.	UTM :			Au	Ag	Co	Cu	Pb	Zn
	N	Type : Grab	Alteration : wDI, wTR	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
	E	Strike Length Exp. : m	Metallics : <1%BO, trCP, 5%MG						
545610	Elevation: 2350 ft	Sample Width : 17.5 m	Secondaries: mMC	10.	<0.2	63.	2840.	<2	44.
	Jointing : 025 / 60 NW	True Width : 15.0? m	Host : Gabbro						

Comments : "A" showing - northern extension.

Sample No.	UTM :			Au	Ag	Co	Cu	Pb	Zn
	N	Type : Grab	Alteration : wEP, wDI, wTR	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
	E	Strike Length Exp. : 15.0 m	Metallics : trCP						
545611	Elevation: 2460 ft	Sample Width : 14.0 m	Secondaries: trMC	<5	<0.2	56.	381.	<2	34.
	Bedding : 015 / 30 E	True Width : m	Host : Mafic flow						

Comments : Trench 1, flow top crackling, pillows??, amygdaloidal texture.

Sample No.	UTM :			Au	Ag	Co	Cu	Pb	Zn
	N	Type : Float	Alteration : wCA	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
	E	Strike Length Exp. : m	Metallics : 5-10%HS						
545612	Elevation: 2475 ft	Sample Width : m	Secondaries: None	<5	<0.2	2.	138.	<2	18.
	Orientation: /	True Width : m	Host : Silty limestone (Pinguicula Group?)						

Comments : Trench 4. Fracture-controlled specular hematite in silty limestone unit.

Sample No.	UTM :	N	Type : Grab	Alteration : mCL	Au	Ag	Co	Cu	Pb	Zn
		E	Strike Length Exp. : 0.5 m	Metallics : <1%BO	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
545613	Elevation: 2700 ft		Sample Width : 10 cm	Secondaries: CC?, wMC	<5	0.6	50.	1990.	<2	30.
	Orientation: /		True Width : ? m	Host : Gabbro/diorite						

Comments : Fracture-controlled copper mineralization in coarse-grained equigranular diorite/gabbro (weakly magnetic).

Sample No.	UTM :	N	Type : Float	Alteration : None	Au	Ag	Co	Cu	Pb	Zn
		E	Strike Length Exp. : m	Metallics : 5%PY	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
546042	Elevation: 970 m		Sample Width : m	Secondaries: sGE	<5	<0.2	11.	38.	14.	126.
	Orientation: /		True Width : m	Host : Arkosic sandstone						

Comments : Pinguicula maroon slates observed. Could this unit be Pinguicula? Does not look like Wernecke Supergroup sediments.

Sample No.	UTM :	N	Type : Float	Alteration : sCA, sCB, mMS	Au	Ag	Co	Cu	Pb	Zn
		E	Strike Length Exp. : m	Metallics : <1%HS	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
546043	Elevation: 785 m		Sample Width : m	Secondaries: None	<5	<0.2	7.	7.	<2	6.
	Orientation: /		True Width : m	Host : Carbonate-rich heterolithic breccia						

Comments : Looks like a slump breccia/wacke. Small outcrop area.

Sample No.	UTM :	N	Type : Float	Alteration : mCB	Au	Ag	Co	Cu	Pb	Zn
		E	Strike Length Exp. : m	Metallics : 3%MG	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
546044	Elevation: 772 m		Sample Width : m	Secondaries: None	<5	<0.2	8.	3.	<2	12.
	Orientation: /		True Width : m	Host : Limestone/incipient breccia						

Comments : Blocky brown-grey weathering. Tarnish on magnetite looks like bornite.

Sample No.	UTM :	N	Type : Float	Alteration : mCB, trCL	Au	Ag	Co	Cu	Pb	Zn
		E	Strike Length Exp. : m	Metallics : None	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
546045	Elevation: 745 m		Sample Width : m	Secondaries: None	<5	0.2	7.	2.	<2	8.
	Orientation: /		True Width : m	Host : Limestone/wacke						

Comments : Brown-black, blocky weathering. No mineralization. Located by silt sample 93MS-03.

Sample No.	UTM :	N	Type : Float	Alteration : sCB	Au	Ag	Co	Cu	Pb	Zn
		E	Strike Length Exp. : m	Metallics : <1%CP, 5%HS, 10%MG, 3%PY	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
546101	Elevation: 680 m		Sample Width : m	Secondaries: None	<5	<0.2	36.	328.	<2	30.
	Orientation: /		True Width : m	Host : Phyllitic siltstone						

Comments : Talus below outcrop just above claim posts Fair 55+56, Post #2.

Sample No.	UTM :	N	Type : Float	Alteration : ssCB	Au	Ag	Co	Cu	Pb	Zn
		E	Strike Length Exp. : m	Metallics : >1%CP, 3-5%MG, 1%PY	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
546102	Elevation: 605 m		Sample Width : m	Secondaries: None	<5	<0.2	6.	352.	<2	14.
	Orientation: /		True Width : m	Host : Breccia and calcareous sediments						

Comments : Float in gravel bar, north side of creek. Finely disseminated magnetite, pyrite, chalcopyrite.

Sample No.	UTM :	N	Type : Grab	Alteration : sCB, sMS, sSI	Au	Ag	Co	Cu	Pb	Zn
		E	Strike Length Exp. : 3 m	Metallics : 1-2%MS, trPY	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
546103	Elevation: 685 m		Sample Width : 50 cm	Secondaries:	<5	<0.2	2.	<1	<2	24.
	Orientation: /		True Width : ? m	Host : Metasediments						

Comments : Sample taken high up in canyon wall on north side of creek from small alteration zone 2-3 metres in radius. Fairly fresh sediments in area.

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 %

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

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

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

Project: Fairchild - Fair

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

Certificate Date: 15-Nov-93
Page Number: 1
Total Pages: 2
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 %
545601	<5	<0.2	7.12	170	1.0	4	2.14	4.0	14	82	310	1.47	1.22	0.82
545602	<5	<0.2	0.44	160	<0.5	<2	0.03	<0.5	19	29	58	>25.00	0.05	0.06
545603	25	<0.2	5.82	30	<0.5	2	4.06	<0.5	111	94	109	5.94	0.05	1.77
545604	60	<0.2	7.08	130	1.5	<2	6.91	<0.5	8	87	3073	5.36	0.08	0.29
545605	<5	<0.2	5.76	20	<0.5	2	3.03	<0.5	786	113	155	8.08	0.07	1.34
545606	15	<0.2	6.31	180	<0.5	2	4.95	<0.5	63	157	4046	9.04	2.34	3.22
545607	<5	<0.2	6.26	190	<0.5	4	5.24	<0.5	62	144	3979	8.84	2.46	3.14
545608	<5	<0.2	7.52	110	<0.5	<2	3.21	<0.5	69	211	1736	8.19	2.14	4.45
545609	35	2.0	7.89	150	<0.5	4	3.22	<0.5	63	230	>10000	8.38	2.18	4.36
545610	10	<0.2	7.27	90	<0.5	<2	4.25	<0.5	63	254	2839	7.77	1.96	4.39
545611	<5	<0.2	7.40	80	<0.5	<2	4.27	0.5	56	232	381	7.31	1.71	3.90
545612	<5	<0.2	5.84	790	<0.5	<2	2.90	<0.5	2	119	138	5.21	0.56	0.19
545613	<5	0.6	7.48	20	<0.5	<2	5.50	<0.5	50	253	1988	6.19	0.81	3.92
546042	<5	<0.2	9.79	1070	2.5	<2	0.38	<0.5	11	82	38	3.94	3.53	1.42
546043	<5	<0.2	5.73	540	<0.5	2	8.05	<0.5	7	111	7	2.03	2.72	0.59
546044	<5	<0.2	6.32	230	1.5	<2	4.81	<0.5	8	80	3	3.31	0.65	0.57
546045	<5	0.2	6.93	50	1.5	<2	5.28	<0.5	7	95	2	2.23	0.51	0.95
546101	<5	<0.2	2.56	250	0.5	<2	6.02	<0.5	36	76	328	9.60	1.30	1.96
546102	<5	<0.2	4.70	330	0.5	<2	8.24	<0.5	6	88	352	3.26	1.14	0.66
546103	<5	<0.2	5.94	680	<0.5	<2	5.48	<0.5	2	92	<1	3.41	2.86	2.54

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

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

Project: Fairchild - Fair

Certificate Date: 15-Nov-93
Page Number: 2
Total Pages: 2
Account: BM

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 %
545601	2190	1	3.99	14	550	4	42	0.16	38	10	2006	60	
545602	75	3	0.06	40	80	<2	3	<0.01	3	<10	64	<10	
545603	3765	1	4.44	41	680	<2	55	0.14	36	20	26	10	
545604	2255	1	5.87	22	710	<2	71	0.13	61	20	36	<10	
545605	4890	1	4.74	27	700	<2	76	0.12	47	30	32	<10	
545606	1935	1	2.20	77	460	<2	163	0.44	181	30	44	<10	
545607	2115	<1	2.10	72	500	<2	159	0.42	175	30	44	<10	
545608	600	<1	3.57	93	330	<2	199	0.59	230	30	34	<10	
545609	720	1	3.03	95	430	<2	283	0.56	243	40	94	<10	1.64
545610	820	<1	3.03	106	230	<2	197	0.54	218	30	44	<10	
545611	645	<1	3.72	79	270	<2	167	0.64	236	30	34	<10	
545612	525	<1	4.32	8	790	<2	41	0.28	156	10	18	60	
545613	930	<1	4.01	89	410	<2	140	0.59	223	30	30	<10	
546042	1415	<1	0.95	15	500	14	120	0.35	63	<10	126	30	
546043	1235	<1	3.13	22	610	<2	56	0.19	44	<10	6	<10	
546044	785	1	4.51	21	750	<2	66	0.22	59	<10	12	<10	
546045	605	<1	5.57	18	750	<2	60	0.26	52	<10	8	<10	
546101	5010	2	0.18	63	210	<2	28	0.04	16	10	30	<10	
546102	1700	<1	2.72	15	1100	<2	108	0.15	28	<10	14	10	
546103	2165	<1	2.33	33	800	<2	45	0.12	59	<10	24	<10	

Certification: Ian Bichler

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

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

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

A9317887

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

CERTIFICATE A9317887

PAMICON DEVELOPMENTS LIMITED

Project: LOUIS-FAIRCHILD
P.O. # :

Samples submitted to our lab in Vancouver, BC.
This report was printed on 3-AUG-93.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
201	29	Dry, sieve to -80 mesh
217	1	Geochem ring entire sample
285	30	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	30	Au ppb: Fuse 10 g sample	FA-AAS	5	10000
578	30	Ag ppm: 24 element, rock & core	AAS	0.5	200
573	30	Al %: 24 element, rock & core	ICP-AES	0.01	25.0
565	30	Ba ppm: 24 element, rock & core	ICP-AES	10	10000
575	30	Be ppm: 24 element, rock & core	ICP-AES	0.5	10000
561	30	Bi ppm: 24 element, rock & core	ICP-AES	2	10000
576	30	Ca %: 24 element, rock & core	ICP-AES	0.01	25.0
562	30	Cd ppm: 24 element, rock & core	ICP-AES	0.5	10000
563	30	Co ppm: 24 element, rock & core	ICP-AES	1	10000
569	30	Cr ppm: 24 element, rock & core	ICP-AES	1	10000
577	30	Cu ppm: 24 element, rock & core	ICP-AES	1	10000
566	30	Fe %: 24 element, rock & core	ICP-AES	0.01	25.0
584	30	K %: 24 element, rock & core	ICP-AES	0.01	20.0
570	30	Mg %: 24 element, rock & core	ICP-AES	0.01	20.0
568	30	Mn ppm: 24 element, rock & core	ICP-AES	5	10000
554	30	Mo ppm: 24 element, rock & core	ICP-AES	1	10000
583	30	Na %: 24 element, rock & core	ICP-AES	0.01	5.00
564	30	Ni ppm: 24 element, rock & core	ICP-AES	1	10000
559	30	P ppm: 24 element, rock & core	ICP-AES	10	10000
560	30	Pb ppm: 24 element, rock & core	AAS	2	10000
582	30	Sr ppm: 24 element, rock & core	ICP-AES	1	10000
579	30	Ti %: 24 element, rock & core	ICP-AES	0.01	10.00
572	30	V ppm: 24 element, rock & core	ICP-AES	1	10000
556	30	W ppm: 24 element, rock & core	ICP-AES	10	10000
558	30	Zn ppm: 24 element, rock & core	ICP-AES	2	10000
1006	30	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: 03-AUG-93
Invoice No. : I9317887
P.O. Number :
Account : BM W

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

CERTIFICATE OF ANALYSIS A9317887

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)
CL 00+00	201 285	25	< 0.2	6.23	540	2.0	< 2	1.73	< 0.5	20	70	293	3.83	1.99	1.10
CL 00+50	201 285	10	< 0.2	4.66	320	1.0	2	2.73	< 0.5	36	51	49	3.19	1.25	0.88
CL 01+00	201 285	5	< 0.2	3.77	320	1.5	< 2	2.78	< 0.5	24	46	130	2.99	1.15	0.72
CL 01+50	201 285	< 5	0.6	5.98	430	2.5	< 2	1.01	< 0.5	11	72	35	4.45	1.17	0.84
CL 02+00	201 285	< 5	0.4	6.44	400	2.0	< 2	1.15	< 0.5	13	55	39	5.33	0.89	0.57
CL 02+50	201 285	< 5	0.4	5.32	590	2.0	< 2	1.41	< 0.5	15	65	56	3.93	1.14	0.65
CL 03+00	201 285	10	0.4	6.01	640	2.0	< 2	1.18	< 0.5	14	75	52	4.35	1.55	1.11
CL 03+50	201 285	15	< 0.2	5.97	520	3.0	< 2	1.08	< 0.5	25	67	363	4.40	1.67	1.09
CL 04+00	201 285	< 5	0.2	4.22	390	1.5	< 2	2.19	< 0.5	8	49	32	2.75	1.08	0.92
CL 04+50	201 285	< 5	< 0.2	5.24	400	2.0	< 2	1.49	< 0.5	9	52	32	4.64	1.00	0.75
CL 05+00	201 285	< 5	< 0.2	5.30	500	3.0	< 2	0.88	< 0.5	20	56	32	4.01	1.58	0.77
CL 05+50	201 285	< 5	< 0.2	5.96	420	2.5	< 2	1.11	< 0.5	41	61	31	4.77	0.75	0.62
CL 06+00	201 285	< 5	0.2	5.80	240	3.0	2	2.56	< 0.5	518	49	79	6.77	0.73	0.73
CL 06+50	201 285	< 5	0.2	5.83	360	3.5	< 2	2.39	< 0.5	32	61	57	5.13	1.18	1.29
CL 07+00	201 285	< 5	< 0.2	6.09	200	3.5	2	0.80	< 0.5	29	53	39	5.25	0.47	0.28
CL 07+50	201 285	< 5	0.2	5.19	440	2.0	< 2	0.79	< 0.5	8	60	26	3.08	1.25	0.65
CL 08+00	201 285	< 5	0.2	6.06	510	3.5	< 2	0.61	< 0.5	12	72	30	3.88	1.51	0.81
CL 08+50	201 285	< 5	< 0.2	5.53	460	2.0	< 2	1.04	< 0.5	10	60	30	3.44	1.30	0.76
CL 09+00	201 285	< 5	< 0.2	6.78	760	1.5	< 2	1.24	< 0.5	16	78	54	4.09	1.76	0.74
CL 09+50	201 285	< 5	< 0.2	5.96	550	3.5	2	1.49	< 0.5	31	64	55	4.12	1.64	0.81
CL 10+00	201 285	< 5	< 0.2	5.89	1320	< 0.5	< 2	0.87	< 0.5	25	73	57	4.78	1.67	1.08
CL 10+50	201 285	< 5	< 0.2	4.82	590	< 0.5	< 2	2.97	< 0.5	23	61	71	5.56	1.18	1.72
CL 11+00	201 285	10	< 0.2	5.28	520	< 0.5	< 2	1.92	< 0.5	41	67	110	4.55	1.56	0.99
CL 11+50	201 285	< 5	< 0.2	3.43	290	< 0.5	< 2	2.66	< 0.5	12	48	162	2.21	0.94	0.40
CL 12+00	201 285	< 5	< 0.2	2.68	270	< 0.5	< 2	3.29	< 0.5	29	39	508	2.39	0.88	0.44
CL 12+50	217 285	< 5	< 0.2	0.80	100	< 0.5	< 2	3.01	< 0.5	3	51	62	0.59	0.31	0.30
CL 13+00	201 285	15	< 0.2	4.72	430	< 0.5	< 2	1.97	< 0.5	35	60	343	4.42	1.35	0.68
CL 13+50	201 285	< 5	< 0.2	5.09	820	< 0.5	< 2	1.28	< 0.5	24	59	97	5.34	1.64	0.72
CL 14+00	201 285	< 5	< 0.2	5.48	890	< 0.5	< 2	1.16	< 0.5	27	68	93	5.46	1.70	0.74
CL 14+50	201 285	< 5	< 0.2	4.48	490	0.5	< 2	10.05	0.5	22	58	234	3.15	1.47	2.15

CERTIFICATION: Ivan 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: 03-AUG-93
Invoice No. : I9317887
P.O. Number :
Account : BM W

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

CERTIFICATE OF ANALYSIS A9317887

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		
CL 00+00	201	285	1745	2	0.76	25	640	28	59	0.22	91	< 10	88	40		
CL 00+50	201	285	3000	3	1.16	19	940	18	58	0.14	62	< 10	74	20		
CL 01+00	201	285	2150	2	0.46	19	920	20	53	0.13	58	< 10	136	10		
CL 01+50	201	285	4210	2	1.61	25	880	30	61	0.25	96	< 10	120	40		
CL 02+00	201	285	6250	2	2.95	24	1110	20	75	0.18	84	< 10	102	30		
CL 02+50	201	285	4250	1	0.83	20	680	36	65	0.25	105	< 10	234	30		
CL 03+00	201	285	2570	< 1	0.71	27	630	38	74	0.25	106	< 10	190	30		
CL 03+50	201	285	2180	2	0.73	31	400	30	73	0.26	91	< 10	96	40		
CL 04+00	201	285	980	1	0.42	21	640	26	59	0.18	74	< 10	136	20		
CL 04+50	201	285	5000	2	1.60	21	550	24	60	0.20	77	< 10	90	20		
CL 05+00	201	285	2970	1	0.92	24	710	26	63	0.20	78	< 10	114	30		
CL 05+50	201	285	5660	2	1.96	24	1210	24	55	0.18	82	< 10	86	20		
CL 06+00	201	285	6630	4	2.92	17	770	10	60	0.15	61	< 10	72	30		
CL 06+50	201	285	5030	2	1.89	20	690	20	79	0.21	84	< 10	88	20		
CL 07+00	201	285	7570	< 1	3.97	22	840	10	51	0.18	61	< 10	58	10		
CL 07+50	201	285	545	2	0.66	16	380	30	56	0.23	98	< 10	84	20		
CL 08+00	201	285	910	2	0.69	27	260	28	65	0.28	103	< 10	116	30		
CL 08+50	201	285	1555	< 1	0.78	23	590	34	66	0.23	98	< 10	122	30		
CL 09+00	201	285	3510	2	1.90	31	1480	36	90	0.24	120	< 10	222	70		
CL 09+50	201	285	3570	2	1.03	26	920	30	81	0.23	96	< 10	128	40		
CL 10+00	201	285	4950	2	0.58	29	1250	32	63	0.22	91	< 10	152	60		
CL 10+50	201	285	3770	2	0.81	30	950	26	60	0.17	76	< 10	134	30		
CL 11+00	201	285	3630	3	0.84	31	1010	24	66	0.22	81	< 10	136	40		
CL 11+50	201	285	1375	1	0.29	19	860	20	66	0.16	63	< 10	68	20		
CL 12+00	201	285	3970	1	0.16	32	950	12	70	0.10	39	< 10	76	10		
CL 12+50	217	285	540	< 1	0.06	8	780	8	69	0.03	17	< 10	128	< 10		
CL 13+00	201	285	4540	1	0.35	56	1240	28	93	0.20	75	< 10	84	40		
CL 13+50	201	285	8980	4	0.32	53	1060	20	123	0.20	72	< 10	84	60		
CL 14+00	201	285	8880	2	0.37	58	1070	28	114	0.22	81	< 10	92	60		
CL 14+50	201	285	3350	< 1	0.40	36	1040	32	101	0.18	77	< 10	130	< 10		

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

A9317888

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

CERTIFICATE A9317888

PAMICON DEVELOPMENTS LIMITED

Project: FAIR-FAIRCHILD
P.O. # :

Samples submitted to our lab in Vancouver, BC.
This report was printed on 4-AUG-93.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
201	180	Dry, sieve to -80 mesh
285	180	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	180	Au ppb: Fuse 10 g sample	FA-AAS	5	10000
578	180	Ag ppm: 24 element, rock & core	AAS	0.5	200
573	180	Al %: 24 element, rock & core	ICP-AES	0.01	25.0
565	180	Ba ppm: 24 element, rock & core	ICP-AES	10	10000
575	180	Be ppm: 24 element, rock & core	ICP-AES	0.5	10000
561	180	Bi ppm: 24 element, rock & core	ICP-AES	2	10000
576	180	Ca %: 24 element, rock & core	ICP-AES	0.01	25.0
562	180	Cd ppm: 24 element, rock & core	ICP-AES	0.5	10000
563	180	Co ppm: 24 element, rock & core	ICP-AES	1	10000
569	180	Cr ppm: 24 element, rock & core	ICP-AES	1	10000
577	180	Cu ppm: 24 element, rock & core	ICP-AES	1	10000
566	180	Fe %: 24 element, rock & core	ICP-AES	0.01	25.0
584	180	K %: 24 element, rock & core	ICP-AES	0.01	20.0
570	180	Mg %: 24 element, rock & core	ICP-AES	0.01	20.0
568	180	Mn ppm: 24 element, rock & core	ICP-AES	5	10000
554	180	Mo ppm: 24 element, rock & core	ICP-AES	1	10000
583	180	Na %: 24 element, rock & core	ICP-AES	0.01	5.00
564	180	Ni ppm: 24 element, rock & core	ICP-AES	1	10000
559	180	P ppm: 24 element, rock & core	ICP-AES	10	10000
560	180	Pb ppm: 24 element, rock & core	AAS	2	10000
582	180	Sr ppm: 24 element, rock & core	ICP-AES	1	10000
579	180	Ti %: 24 element, rock & core	ICP-AES	0.01	10.00
572	180	V ppm: 24 element, rock & core	ICP-AES	1	10000
556	180	W ppm: 24 element, rock & core	ICP-AES	10	10000
558	180	Zn ppm: 24 element, rock & core	ICP-AES	2	10000
1006	180	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: [redacted] DEVELOPMENTS LIMITED
WESTMIN PROJECT
711 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N4

[redacted] Number [redacted]-A
Total Pages :5
Certificate Date: 04-AUG-93
Invoice No. :I9317888
P.O. Number :
Account :BM W

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

CERTIFICATE OF ANALYSIS A9317888

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)
1600E 4500N	201	285	< 5	< 0.2	4.93	500	< 0.5	< 2	7.52	< 0.5	6	61	39	2.89	2.22	4.37
1600E 4550N	201	285	< 5	< 0.2	5.27	600	< 0.5	< 2	4.67	0.5	12	67	56	3.20	1.79	1.57
1600E 4600N	201	285	< 5	< 0.2	5.36	710	< 0.5	< 2	4.12	1.5	13	69	56	3.19	1.65	1.00
1600E 4650N	201	285	< 5	< 0.2	6.08	640	< 0.5	< 2	0.64	< 0.5	16	72	112	3.88	1.94	0.85
1600E 4700N	201	285	< 5	< 0.2	6.01	650	< 0.5	< 2	0.95	< 0.5	14	75	31	3.70	1.90	0.88
1600E 4750N	201	285	< 5	< 0.2	6.09	610	< 0.5	< 2	0.82	< 0.5	15	70	26	3.92	1.86	0.98
1600E 4850N	201	285	< 5	< 0.2	6.27	740	< 0.5	2	0.90	< 0.5	14	75	22	3.83	1.80	0.87
1600E 4950N	201	285	< 5	< 0.2	6.25	580	< 0.5	< 2	0.85	< 0.5	15	76	56	3.88	2.06	1.35
1600E 5050N	201	285	< 5	< 0.2	6.89	430	< 0.5	< 2	2.14	< 0.5	45	265	349	7.41	1.77	4.95
1600E 5100N	201	285	< 5	< 0.2	6.07	600	< 0.5	< 2	1.79	< 0.5	15	73	54	3.69	2.01	1.01
1600E 5150N	201	285	< 5	< 0.2	6.63	650	< 0.5	< 2	2.16	< 0.5	18	75	116	4.33	2.20	1.83
1600E 5200N	201	285	< 5	< 0.2	6.35	550	0.5	< 2	0.54	< 0.5	14	75	28	4.00	1.78	0.84
1600E 5250N	201	285	< 5	< 0.2	5.93	500	< 0.5	< 2	1.77	< 0.5	20	68	109	4.34	1.80	1.14
1600E 5300N	201	285	< 5	< 0.2	5.82	560	0.5	< 2	1.87	< 0.5	24	71	100	4.42	1.84	1.27
1600E 5350N	201	285	< 5	< 0.2	5.54	570	0.5	< 2	2.19	< 0.5	18	69	117	3.41	1.75	1.49
1600E 5400N	201	285	< 5	< 0.2	6.19	380	0.5	< 2	1.83	< 0.5	12	67	68	2.79	1.03	1.06
1600E 5450N	201	285	< 5	< 0.2	6.57	430	< 0.5	< 2	2.49	< 0.5	41	129	153	6.44	1.46	2.88
1800E 4500N	201	285	< 5	< 0.2	5.45	630	0.5	< 2	4.02	0.5	11	70	33	3.14	2.02	2.62
1800E 4550N	201	285	< 5	< 0.2	4.44	460	0.5	< 2	3.24	< 0.5	12	58	176	2.59	1.56	0.95
1800E 4600N	201	285	< 5	< 0.2	5.37	600	0.5	< 2	1.93	< 0.5	12	67	53	3.29	1.88	0.95
1800E 4650N	201	285	< 5	< 0.2	6.23	640	1.5	6	1.08	< 0.5	14	74	59	3.83	1.92	0.91
1800E 4700N	201	285	< 5	< 0.2	5.84	620	1.5	4	1.35	< 0.5	13	72	47	3.53	1.77	0.87
1800E 4750N	201	285	< 5	< 0.2	5.66	610	0.5	4	1.04	< 0.5	12	69	43	3.47	1.73	0.81
1800E 4800N	201	285	< 5	< 0.2	5.96	660	1.0	8	0.70	< 0.5	13	72	25	3.66	1.71	0.79
1800E 4850N	201	285	< 5	< 0.2	4.88	520	1.0	< 2	1.26	< 0.5	13	61	16	2.91	1.55	0.65
1800E 4950N	201	285	< 5	< 0.2	6.90	530	2.5	< 2	1.17	< 0.5	22	81	223	6.37	2.47	2.30
2200E 4600N	201	285	< 5	< 0.2	5.27	560	1.0	6	1.86	< 0.5	14	63	34	3.24	1.70	0.90
2200E 4650N	201	285	< 5	< 0.2	5.63	580	1.0	< 2	3.91	< 0.5	13	68	40	3.35	1.80	1.81
2200E 4700N	201	285	< 5	< 0.2	5.89	620	1.5	< 2	1.84	< 0.5	14	72	33	3.57	1.87	1.18
2200E 4750N	201	285	< 5	< 0.2	5.97	620	1.5	6	2.08	< 0.5	13	73	54	3.59	1.92	1.07
2200E 4800N	201	285	< 5	< 0.2	6.74	830	1.5	< 2	1.26	< 0.5	17	75	31	3.98	2.00	1.24
2200E 4850N	201	285	< 5	< 0.2	6.24	760	1.5	< 2	0.99	< 0.5	15	73	31	3.84	1.74	0.85
2200E 4950N	201	285	< 5	< 0.2	5.59	560	1.0	< 2	1.36	< 0.5	13	67	46	3.36	1.79	0.88
2200E 5000N	201	285	< 5	< 0.2	6.38	580	1.0	< 2	0.80	< 0.5	14	69	40	3.64	2.22	1.01
2200E 5050N	201	285	< 5	< 0.2	6.05	620	0.5	< 2	2.74	< 0.5	16	73	137	3.54	2.02	2.11
2200E 5100N	201	285	< 5	< 0.2	6.03	570	0.5	< 2	0.59	< 0.5	13	68	20	3.58	1.69	0.78
2200E 5150N	201	285	< 5	< 0.2	6.89	540	0.5	< 2	1.30	< 0.5	18	74	133	4.46	2.24	1.52
2200E 5200N	201	285	< 5	< 0.2	6.80	610	2.5	< 2	1.45	< 0.5	28	87	283	5.55	2.32	2.04
2200E 5250N	201	285	< 5	< 0.2	6.87	550	1.0	< 2	1.73	< 0.5	30	80	152	3.92	2.49	2.74
2200E 5300N	201	285	< 5	< 0.2	6.51	690	1.0	< 2	1.64	< 0.5	22	92	108	4.87	2.66	1.70

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 :5
Certificate Date: 04-AUG-93
Invoice No. :I9317888
P.O. Number :
Account :BM W

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

CERTIFICATE OF ANALYSIS A9317888

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		
1600E 4500N	201	285	975	< 1	0.52	17	480	22	59	0.18	70	< 10	96	< 10		
1600E 4550N	201	285	775	< 1	0.52	24	800	32	88	0.22	98	< 10	146	< 10		
1600E 4600N	201	285	965	< 1	0.46	25	650	36	74	0.23	113	< 10	204	10		
1600E 4650N	201	285	820	< 1	0.56	30	410	36	66	0.26	114	< 10	134	40		
1600E 4700N	201	285	635	< 1	0.65	25	530	28	77	0.27	109	< 10	116	40		
1600E 4750N	201	285	805	< 1	0.70	28	410	36	74	0.21	99	< 10	108	30		
1600E 4850N	201	285	750	< 1	0.70	24	440	34	76	0.28	120	< 10	128	30		
1600E 4950N	201	285	550	< 1	1.24	30	690	20	61	0.30	102	< 10	102	40		
1600E 5050N	201	285	1240	< 1	1.14	93	690	10	77	0.85	361	10	88	30		
1600E 5100N	201	285	1035	< 1	0.90	26	940	32	67	0.27	110	< 10	132	30		
1600E 5150N	201	285	840	< 1	0.91	28	700	26	87	0.34	129	< 10	104	40		
1600E 5200N	201	285	655	< 1	0.78	30	390	32	84	0.32	108	< 10	100	30		
1600E 5250N	201	285	955	< 1	0.79	30	870	24	76	0.35	131	< 10	80	30		
1600E 5300N	201	285	1250	< 1	1.05	28	730	26	83	0.36	141	< 10	128	30		
1600E 5350N	201	285	495	< 1	1.33	29	860	16	75	0.31	126	< 10	100	30		
1600E 5400N	201	285	1390	< 1	2.91	30	960	12	65	0.21	95	< 10	56	50		
1600E 5450N	201	285	870	< 1	1.37	58	620	12	76	0.50	199	< 10	68	20		
1800E 4500N	201	285	775	< 1	0.59	23	640	30	72	0.26	94	< 10	134	10		
1800E 4550N	201	285	615	1	0.37	21	1090	26	67	0.19	80	< 10	110	10		
1800E 4600N	201	285	845	2	0.57	25	800	50	78	0.26	96	< 10	134	20		
1800E 4650N	201	285	895	< 1	0.66	27	750	46	78	0.30	110	10	146	30		
1800E 4700N	201	285	860	< 1	0.60	27	780	48	75	0.27	106	< 10	136	30		
1800E 4750N	201	285	780	1	0.55	25	720	32	69	0.25	103	10	134	30		
1800E 4800N	201	285	895	< 1	0.57	25	430	38	71	0.28	116	< 10	126	30		
1800E 4850N	201	285	1385	2	0.46	14	700	40	63	0.21	98	< 10	112	20		
1800E 4950N	201	285	630	< 1	1.30	44	820	14	50	0.56	209	10	114	40		
2200E 4600N	201	285	810	1	0.55	22	750	26	73	0.25	92	< 10	114	20		
2200E 4650N	201	285	815	< 1	0.65	24	720	28	85	0.26	94	< 10	128	10		
2200E 4700N	201	285	805	1	0.61	27	670	32	81	0.27	105	< 10	144	30		
2200E 4750N	201	285	820	1	0.59	26	590	32	76	0.28	105	< 10	122	30		
2200E 4800N	201	285	1250	< 1	0.80	32	620	32	101	0.29	107	< 10	112	40		
2200E 4850N	201	285	1150	< 1	0.58	26	590	38	73	0.31	124	< 10	188	30		
2200E 4950N	201	285	845	< 1	0.57	23	780	24	71	0.26	94	< 10	112	30		
2200E 5000N	201	285	445	< 1	0.68	27	670	30	76	0.30	104	< 10	154	30		
2200E 5050N	201	285	585	< 1	0.83	29	820	22	81	0.31	111	10	128	20		
2200E 5100N	201	285	580	< 1	0.61	22	310	28	70	0.32	106	< 10	106	30		
2200E 5150N	201	285	455	< 1	1.58	30	760	20	84	0.49	156	10	114	30		
2200E 5200N	201	285	1040	< 1	1.70	42	910	10	78	0.42	170	10	90	40		
2200E 5250N	201	285	990	< 1	1.90	53	670	6	59	0.36	135	10	60	30		
2200E 5300N	201	285	1275	< 1	1.42	42	580	12	59	0.31	141	10	64	40		

CERTIFICATION: Stuart Buchler

Chemex Labs Ltd.

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

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

Certificate Date: 04-AUG-93
Invoice No. :I9317888
P.O. Number :
Account :BM W

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

CERTIFICATE OF ANALYSIS A9317888

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)
2200E 5350N	201 285	< 5	< 0.2	6.20	250	< 0.5	< 2	3.26	< 0.5	51	240	847	8.06	1.38	5.14
2200E 5400N	201 285	< 5	< 0.2	7.03	760	< 0.5	< 2	2.03	< 0.5	33	135	246	6.31	2.38	3.32
2200E 5450N	201 285	< 5	< 0.2	6.30	650	< 0.5	8	0.55	< 0.5	11	74	21	3.93	1.85	0.89
2600E 5000N	201 285	< 5	< 0.2	5.60	520	< 0.5	< 2	4.23	< 0.5	8	64	50	3.14	2.29	3.02
2600E 5050N A	201 285	< 5	< 0.2	5.62	560	1.0	4	0.99	< 0.5	12	63	29	3.47	2.10	0.93
2600E 5050N B	201 285	< 5	< 0.2	3.89	440	0.5	4	2.15	< 0.5	7	53	37	2.04	1.30	0.61
2600E 5100N A	201 285	< 5	< 0.2	6.14	610	0.5	4	1.13	< 0.5	10	71	37	3.50	2.13	1.14
2600E 5100N B	201 285	< 5	< 0.2	5.49	560	2.0	< 2	1.30	< 0.5	11	65	60	3.31	1.62	0.77
2600E 5150N A	201 285	< 5	< 0.2	5.21	480	2.0	< 2	1.82	< 0.5	6	60	34	2.14	1.82	0.90
2600E 5150N B	201 285	< 5	< 0.2	5.71	600	2.5	< 2	1.13	< 0.5	11	68	29	3.51	1.72	0.81
2600E 5200N A	201 285	< 5	< 0.2	6.30	700	1.5	< 2	1.10	0.5	14	74	30	3.92	1.88	0.89
2600E 5200N B	201 285	< 5	< 0.2	6.32	570	2.0	< 2	0.62	< 0.5	12	77	31	3.93	1.69	0.84
2600E 5250N A	201 285	< 5	< 0.2	5.94	610	2.5	< 2	1.21	< 0.5	15	70	33	3.90	1.82	1.02
2600E 5250N B	201 285	< 5	< 0.2	6.47	550	1.5	2	0.71	< 0.5	11	72	20	3.66	1.68	0.79
2600E 5300N A	201 285	< 5	< 0.2	5.63	590	2.5	< 2	1.60	< 0.5	14	68	38	3.50	1.81	1.05
2600E 5300N B	201 285	< 5	< 0.2	5.99	560	2.0	< 2	1.14	< 0.5	12	70	29	3.63	1.70	1.06
2600E 5350N A	201 285	< 5	< 0.2	5.43	540	1.5	< 2	2.17	< 0.5	13	65	40	3.28	1.80	1.29
2600E 5350N B	201 285	< 5	< 0.2	6.41	520	2.5	< 2	2.50	< 0.5	9	69	50	3.28	2.57	2.09
2600E 5400N A	201 285	< 5	< 0.2	5.61	540	1.5	< 2	1.92	0.5	12	66	31	3.39	1.85	1.33
2600E 5400N B	201 285	< 5	< 0.2	7.31	510	2.0	< 2	0.49	< 0.5	11	76	44	3.32	2.75	1.01
2600E 5450N A	201 285	< 5	< 0.2	5.86	570	2.0	6	1.36	< 0.5	14	66	42	3.72	1.94	0.87
2600E 5450N B	201 285	< 5	< 0.2	6.14	520	2.0	< 2	1.30	< 0.5	10	68	48	3.23	2.15	0.91
3000E 5000N	201 285	< 5	< 0.2	6.31	700	1.5	4	0.84	< 0.5	13	74	23	4.02	1.73	0.77
3000E 5050N A	201 285	< 5	< 0.2	6.33	630	1.0	6	0.55	< 0.5	12	72	18	3.80	1.66	0.77
3000E 5050N B	201 285	< 5	< 0.2	6.42	610	1.5	4	0.87	< 0.5	16	74	24	4.06	1.84	1.00
3000E 5100N A	201 285	< 5	< 0.2	6.32	720	1.5	< 2	1.17	< 0.5	12	76	32	3.84	1.81	0.86
3000E 5100N B	201 285	< 5	< 0.2	6.19	600	2.0	< 2	0.50	< 0.5	12	72	23	3.71	1.83	0.83
3000E 5150N A	201 285	< 5	< 0.2	5.40	630	3.0	< 2	1.93	0.5	12	67	43	3.14	1.57	0.81
3000E 5150N B	201 285	< 5	< 0.2	5.58	590	2.0	< 2	4.76	< 0.5	10	67	54	3.45	2.18	3.07
3000E 5200N A	201 285	< 5	< 0.2	2.48	310	1.5	< 2	3.62	0.5	5	43	53	1.50	0.78	0.62
3000E 5200N B	201 285	< 5	< 0.2	6.03	600	2.0	< 2	0.97	< 0.5	12	65	33	3.44	2.04	0.89
3000E 5250N A	201 285	< 5	< 0.2	6.09	610	2.0	4	1.84	< 0.5	22	66	119	3.97	1.90	0.95
3000E 5250N B	201 285	< 5	< 0.2	6.31	610	2.0	< 2	0.65	< 0.5	12	70	21	3.76	1.76	0.77
3000E 5300N	201 285	< 5	< 0.2	3.31	400	2.0	< 2	3.61	< 0.5	9	45	56	1.94	1.02	0.70
3000E 5350N	201 285	< 5	< 0.2	4.73	490	1.5	< 2	2.76	0.5	23	61	111	2.84	1.49	0.79
3000E 5400N A	201 285	< 5	< 0.2	6.09	560	2.0	< 2	1.54	< 0.5	21	69	143	3.39	2.10	0.91
3000E 5400N B	201 285	< 5	< 0.2	6.01	520	2.0	< 2	5.03	< 0.5	8	68	42	2.69	2.50	2.55
3000E 5450N A	201 285	< 5	< 0.2	2.40	330	2.0	< 2	4.19	< 0.5	6	38	115	1.34	0.82	0.64
3000E 5450N B	201 285	< 5	< 0.2	6.70	520	2.0	< 2	0.48	< 0.5	9	69	33	3.11	2.60	0.91
3400E 5050N A	201 285	< 5	< 0.2	6.03	630	1.5	< 2	2.23	< 0.5	11	71	36	3.31	2.09	1.44

CERTIFICATION: Ian Buchlea

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: 04-AUG-93
Invoice No. :19317888
P.O. Number :
Account :BM W

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

CERTIFICATE OF ANALYSIS A9317888

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		
2200E 5350N	201	285	1410	< 1	1.38	110	580	< 2	47	0.62	256	30	64	< 10		
2200E 5400N	201	285	1225	< 1	1.62	70	810	< 2	59	0.40	177	20	72	30		
2200E 5450N	201	285	485	< 1	0.79	21	360	22	77	0.33	119	10	100	30		
2600E 5000N	201	285	1255	< 1	0.56	21	510	20	67	0.23	75	10	116	10		
2600E 5050N A	201	285	1160	< 1	0.56	19	480	26	64	0.25	83	10	158	30		
2600E 5050N B	201	285	490	< 1	0.39	14	650	16	60	0.18	73	< 10	88	10		
2600E 5100N A	201	285	690	< 1	0.65	21	670	22	82	0.30	93	10	132	30		
2600E 5100N B	201	285	775	< 1	0.53	25	570	28	69	0.26	101	10	166	30		
2600E 5150N A	201	285	495	< 1	0.57	17	770	12	47	0.20	68	< 10	116	20		
2600E 5150N B	201	285	805	< 1	0.57	22	660	26	70	0.27	104	10	142	30		
2600E 5200N A	201	285	1020	< 1	0.56	22	630	32	70	0.26	120	10	202	30		
2600E 5200N B	201	285	560	< 1	0.63	26	170	28	77	0.30	113	10	122	30		
2600E 5250N A	201	285	850	< 1	0.61	26	490	28	74	0.26	106	10	138	30		
2600E 5250N B	201	285	875	< 1	1.02	26	250	26	67	0.29	108	10	98	50		
2600E 5300N A	201	285	865	< 1	0.55	25	630	26	68	0.25	101	10	154	30		
2600E 5300N B	201	285	830	< 1	0.71	25	460	26	73	0.28	103	10	104	30		
2600E 5350N A	201	285	825	1	0.57	22	670	26	71	0.25	91	10	124	30		
2600E 5350N B	201	285	945	< 1	0.72	22	540	18	44	0.26	78	10	90	30		
2600E 5400N A	201	285	1020	< 1	0.67	21	580	22	75	0.28	92	10	116	30		
2600E 5400N B	201	285	785	1	0.72	23	330	12	44	0.28	80	10	72	40		
2600E 5450N A	201	285	865	1	0.62	24	720	22	74	0.21	106	10	164	30		
2600E 5450N B	201	285	640	< 1	0.64	23	630	18	59	0.23	84	10	128	30		
3000E 5000N	201	285	1370	< 1	0.51	19	470	42	66	0.31	127	10	174	30		
3000E 5050N A	201	285	510	1	0.59	22	270	28	73	0.32	122	10	138	30		
3000E 5050N B	201	285	795	< 1	0.68	26	320	26	79	0.31	110	10	134	40		
3000E 5100N A	201	285	965	< 1	0.54	25	680	36	73	0.29	124	10	162	30		
3000E 5100N B	201	285	870	< 1	0.58	24	230	30	61	0.28	104	10	114	30		
3000E 5150N A	201	285	920	< 1	0.43	23	860	30	70	0.20	114	10	166	20		
3000E 5150N B	201	285	1170	< 1	0.67	23	530	18	76	0.24	76	10	70	10		
3000E 5200N A	201	285	335	< 1	0.18	16	900	14	55	0.11	54	< 10	124	< 10		
3000E 5200N B	201	285	1115	< 1	0.70	26	450	24	67	0.22	91	10	94	30		
3000E 5250N A	201	285	915	1	0.61	37	840	34	84	0.25	109	10	226	40		
3000E 5250N B	201	285	690	< 1	0.63	22	380	32	69	0.29	110	10	118	30		
3000E 5300N	201	285	535	1	0.28	18	870	20	62	0.14	63	< 10	106	< 10		
3000E 5350N	201	285	690	< 1	0.42	30	800	26	69	0.20	84	10	298	20		
3000E 5400N A	201	285	770	< 1	0.53	37	600	32	64	0.23	90	10	210	30		
3000E 5400N B	201	285	755	< 1	0.52	20	490	16	45	0.22	71	10	78	< 10		
3000E 5450N A	201	285	690	2	0.16	23	850	10	51	0.11	53	< 10	110	< 10		
3000E 5450N B	201	285	655	< 1	0.61	20	320	12	38	0.25	71	10	76	40		
3400E 5050N A	201	285	890	< 1	0.54	21	580	22	59	0.24	94	10	110	30		

CERTIFICATION: Stan 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: 04-AUG-93
Invoice No. : I9317888
P.O. Number :
Account : BM W

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

CERTIFICATE OF ANALYSIS A9317888

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)
3400E 5050N B	201 285	< 5	< 0.2	6.80	720	1.5	< 2	1.22	< 0.5	13	74	47	3.86	1.72	0.90
3400E 5100N	201 285	< 5	< 0.2	6.12	760	0.5	< 2	1.40	1.0	14	71	36	3.56	1.62	0.85
3400E 5150N	201 285	< 5	< 0.2	5.35	530	1.5	2	1.62	< 0.5	10	65	26	2.96	1.74	0.78
3400E 5200N	201 285	< 5	< 0.2	6.24	670	1.0	< 2	1.51	0.5	13	75	45	3.61	1.89	0.88
3400E 5250N	201 285	< 5	< 0.2	5.03	510	1.5	< 2	1.84	< 0.5	11	63	54	2.97	1.60	0.79
3400E 5275N	201 285	< 5	< 0.2	6.89	680	< 0.5	2	0.97	< 0.5	13	78	27	4.24	1.96	0.94
3400E 5300N	201 285	< 5	< 0.2	5.84	610	1.5	< 2	1.60	< 0.5	14	70	43	3.53	1.86	0.87
3400E 5350N A	201 285	< 5	< 0.2	5.37	560	1.0	2	2.13	< 0.5	13	64	39	3.23	1.71	0.84
3400E 5350N B	201 285	< 5	< 0.2	6.28	640	1.0	< 2	1.36	< 0.5	12	71	42	3.46	2.24	1.21
3400E 5400N	201 285	< 5	< 0.2	5.46	550	2.0	2	1.80	< 0.5	13	65	34	3.08	1.82	0.85
3400E 5450N A	201 285	< 5	< 0.2	5.48	540	1.5	2	1.57	0.5	11	67	33	3.10	1.77	0.77
3400E 5450N B	201 285	< 5	< 0.2	6.51	570	2.0	< 2	0.65	< 0.5	10	66	33	3.47	2.76	1.09
3800E 5050N	201 285	< 5	< 0.2	6.18	570	1.5	2	0.75	< 0.5	9	71	26	3.20	2.13	0.85
3800E 5100N	201 285	< 5	< 0.2	6.69	690	2.0	< 2	1.11	< 0.5	12	79	53	3.92	2.15	1.15
3800E 5150N A	201 285	< 5	< 0.2	6.27	630	1.0	2	0.95	< 0.5	13	77	35	3.73	1.77	0.81
3800E 5150N B	201 285	< 5	< 0.2	6.73	700	1.5	2	0.75	< 0.5	15	81	41	4.02	2.10	1.02
3800E 5200N	201 285	< 5	< 0.2	5.59	520	1.0	2	0.59	< 0.5	7	68	18	3.12	1.40	0.62
3800E 5250N	201 285	< 5	< 0.2	5.59	550	1.5	< 2	1.33	< 0.5	10	66	30	2.91	2.02	1.00
3800E 5300N	201 285	< 5	< 0.2	5.48	570	1.5	4	1.78	< 0.5	10	67	37	3.03	2.00	0.97
3800E 5350N	201 285	< 5	< 0.2	5.52	540	1.0	4	1.50	< 0.5	11	68	28	3.09	1.81	0.83
3800E 5400N	201 285	< 5	< 0.2	8.04	580	2.0	< 2	0.45	< 0.5	16	88	37	6.82	1.97	0.83
3800E 5450N	201 285	< 5	< 0.2	7.55	690	3.0	6	1.24	< 0.5	15	73	34	3.75	2.96	0.89
4200E 4600N	201 285	< 5	< 0.2	1.73	360	1.5	4	3.49	< 0.5	6	31	20	1.23	0.52	0.49
4200E 4650N	201 285	< 5	< 0.2	5.37	540	2.5	4	1.45	< 0.5	9	65	42	2.98	1.94	0.81
4200E 4700N	201 285	< 5	< 0.2	6.70	670	2.5	8	1.13	< 0.5	18	76	97	3.91	2.15	0.82
4200E 4750N	201 285	< 5	< 0.2	5.91	580	2.5	4	0.89	< 0.5	13	73	42	3.52	1.80	0.76
4200E 4800N	201 285	< 5	< 0.2	5.87	570	2.5	2	0.94	< 0.5	12	70	43	3.49	1.95	0.78
4200E 4850N	201 285	< 5	< 0.2	2.92	450	2.0	2	3.77	0.5	10	46	34	1.71	0.96	0.69
4200E 4900N	201 285	< 5	< 0.2	6.76	730	2.5	4	0.85	< 0.5	11	75	34	3.59	2.55	0.98
4200E 4950N	201 285	< 5	< 0.2	6.62	600	2.0	2	1.03	< 0.5	11	76	29	3.64	2.31	1.02
4200E 5000N	201 285	< 5	< 0.2	6.20	580	1.5	2	0.69	< 0.5	13	73	26	3.73	1.97	0.77
4200E 5050N	201 285	< 5	< 0.2	6.40	650	1.5	6	0.60	< 0.5	11	71	18	3.76	1.89	0.73
4200E 5100N	201 285	< 5	< 0.2	5.57	500	2.0	4	1.24	< 0.5	8	65	35	2.79	2.24	0.97
4200E 5150N	201 285	< 5	< 0.2	5.87	400	< 0.5	< 2	2.63	0.5	20	133	67	5.08	1.97	3.06
4200E 5200N	201 285	< 5	< 0.2	5.67	490	1.5	< 2	4.54	< 0.5	7	68	39	2.85	2.41	2.97
4200E 5250N	201 285	< 5	< 0.2	6.05	530	1.0	< 2	1.12	< 0.5	10	73	51	3.35	2.28	1.06
4600E 4650N	201 285	< 5	< 0.2	1.14	270	2.0	< 2	4.60	0.5	4	27	22	0.69	0.40	0.52
4600E 4700N	201 285	< 5	< 0.2	5.25	530	2.0	< 2	1.71	< 0.5	9	64	26	2.78	1.80	0.75
4600E 4750N	201 285	< 5	< 0.2	6.30	550	2.0	< 2	2.26	< 0.5	10	71	36	3.18	2.54	1.62
4600E 4800N	201 285	< 5	< 0.2	7.07	520	2.0	< 2	0.57	< 0.5	12	75	54	3.28	2.81	0.99

CERTIFICATION: Stewart Buchhorn

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: 04-AUG-93
Invoice No. : 19317888
P.O. Number :
Account : BM W

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

CERTIFICATE OF ANALYSIS A9317888

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		
3400E 5050N B	201 285	940	< 1	0.58	27	570	38	64	0.24	125	10	142	20		
3400E 5100N	201 285	3900	< 1	0.53	25	760	36	71	0.27	122	10	176	30		
3400E 5150N	201 285	655	< 1	0.55	17	630	26	70	0.26	90	10	166	30		
3400E 5200N	201 285	1155	1	0.57	22	900	32	74	0.29	118	10	334	30		
3400E 5250N	201 285	1165	< 1	0.56	20	700	26	70	0.22	88	10	196	20		
3400E 5275N	201 285	1015	< 1	0.73	26	460	30	85	0.33	117	10	122	40		
3400E 5300N	201 285	1625	< 1	0.61	24	720	30	73	0.24	102	10	166	30		
3400E 5350N A	201 285	1175	1	0.51	21	880	28	73	0.22	97	10	142	20		
3400E 5350N B	201 285	835	< 1	0.64	25	570	26	68	0.26	97	10	116	30		
3400E 5400N	201 285	1050	< 1	0.51	21	750	22	67	0.23	91	10	124	30		
3400E 5450N A	201 285	970	< 1	0.53	22	730	24	66	0.24	97	10	158	30		
3400E 5450N B	201 285	825	< 1	0.56	23	460	18	39	0.25	77	10	90	30		
3800E 5050N	201 285	380	< 1	0.65	21	510	20	69	0.30	92	10	110	30		
3800E 5100N	201 285	1295	< 1	0.62	30	610	22	64	0.31	100	10	94	70		
3800E 5150N A	201 285	710	< 1	0.62	26	500	28	80	0.30	113	10	104	30		
3800E 5150N B	201 285	1245	< 1	0.62	29	510	26	69	0.31	112	10	104	50		
3800E 5200N	201 285	280	< 1	0.63	18	230	22	74	0.32	104	10	80	30		
3800E 5250N	201 285	550	< 1	0.62	21	580	18	66	0.26	84	10	92	30		
3800E 5300N	201 285	990	< 1	0.49	21	760	20	55	0.20	81	10	144	20		
3800E 5350N	201 285	1260	< 1	0.58	20	660	20	48	0.19	80	10	86	30		
3800E 5400N	201 285	3800	1	0.52	47	410	26	50	0.28	118	< 10	82	40		
3800E 5450N	201 285	1685	1	0.63	22	500	14	49	0.29	88	< 10	84	30		
4200E 4600N	201 285	2040	< 1	0.13	9	950	8	40	0.09	40	< 10	42	< 10		
4200E 4650N	201 285	990	< 1	0.51	18	670	22	55	0.24	83	< 10	118	30		
4200E 4700N	201 285	620	< 1	0.59	24	750	22	65	0.25	99	< 10	92	100		
4200E 4750N	201 285	1050	1	0.60	20	540	30	71	0.27	104	< 10	134	40		
4200E 4800N	201 285	890	< 1	0.63	23	660	24	70	0.26	98	< 10	116	40		
4200E 4850N	201 285	1920	< 1	0.23	16	1020	10	51	0.12	53	< 10	162	< 10		
4200E 4900N	201 285	850	< 1	0.56	24	530	18	53	0.24	88	< 10	94	40		
4200E 4950N	201 285	1030	1	0.59	24	420	24	60	0.26	95	< 10	100	30		
4200E 5000N	201 285	1195	< 1	0.67	21	540	28	72	0.30	104	< 10	104	40		
4200E 5050N	201 285	665	< 1	0.70	19	400	28	76	0.33	112	< 10	82	30		
4200E 5100N	201 285	435	< 1	0.53	20	470	20	48	0.23	75	< 10	96	30		
4200E 5150N	201 285	925	< 1	0.61	53	450	12	47	0.36	145	< 10	80	20		
4200E 5200N	201 285	895	< 1	0.58	21	570	18	55	0.22	74	< 10	78	10		
4200E 5250N	201 285	555	< 1	0.59	27	750	20	53	0.23	88	< 10	120	20		
4600E 4650N	201 285	990	< 1	0.10	9	1000	6	37	0.04	28	< 10	92	< 10		
4600E 4700N	201 285	795	< 1	0.54	18	720	18	61	0.22	77	< 10	92	20		
4600E 4750N	201 285	890	< 1	0.53	23	520	16	50	0.22	82	< 10	90	30		
4600E 4800N	201 285	885	< 1	0.58	25	340	18	39	0.26	77	< 10	74	40		

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

Certificate Date: 04-AUG-93
Invoice No. :I9317888
P.O. Number :
Account :BM W

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

CERTIFICATE OF ANALYSIS A9317888

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)
4600E 4850N	201	285	< 5	< 0.2	6.96	570	2.0	< 2	0.61	< 0.5	11	76	45	3.14	2.63	0.93
4600E 4900N	201	285	< 5	< 0.2	6.64	540	1.0	< 2	0.50	< 0.5	12	74	28	3.64	2.05	0.88
4600E 5000N	201	285	< 5	< 0.2	5.07	600	2.0	< 2	1.47	< 0.5	8	61	32	2.70	1.65	0.73
4600E 5050N	201	285	< 5	< 0.2	4.95	450	2.0	< 2	6.81	< 0.5	5	59	40	2.27	2.17	3.51
4600E 5100N	201	285	< 5	< 0.2	6.23	570	2.0	< 2	2.50	< 0.5	9	69	41	2.85	2.32	2.10
4600E 5150N	201	285	< 5	< 0.2	6.03	520	1.5	< 2	2.61	< 0.5	9	65	51	2.85	2.52	2.25
4600E 5200N	201	285	< 5	< 0.2	6.91	600	1.0	< 2	0.60	< 0.5	11	75	56	3.35	2.71	1.01
4600E 5250N	201	285	5	< 0.2	6.81	580	2.0	< 2	0.94	< 0.5	9	70	49	2.94	2.69	1.22
4600E 5300N	201	285	< 5	< 0.2	6.02	540	2.0	< 2	0.77	< 0.5	11	67	34	2.89	2.26	0.86
4600E 5350N	201	285	25	< 0.2	5.77	500	1.0	< 2	0.72	< 0.5	10	60	47	3.28	2.36	0.99
4600E 5400N	201	285	10	< 0.2	5.12	400	1.5	< 2	4.95	< 0.5	8	59	46	2.51	2.18	3.19
4600E 5450N	201	285	< 5	< 0.2	5.51	430	0.5	< 2	1.50	< 0.5	11	70	96	3.65	2.14	1.38
5000E 4705N	201	285	< 5	< 0.2	7.77	580	2.0	< 2	0.43	< 0.5	13	86	63	3.36	2.72	1.00
5000E 4750N	201	285	< 5	< 0.2	7.00	570	2.0	< 2	0.48	< 0.5	11	79	41	3.33	2.26	0.90
5000E 4800N	201	285	< 5	< 0.2	5.79	490	1.5	4	0.69	< 0.5	10	67	22	3.38	1.41	0.66
5000E 4850N	201	285	< 5	< 0.2	6.76	810	1.0	< 2	0.92	< 0.5	18	74	30	3.98	0.96	0.73
5000E 4900N	201	285	< 5	< 0.2	5.93	760	1.0	2	0.60	< 0.5	13	71	19	3.57	1.42	0.67
5000E 4950N	201	285	< 5	< 0.2	6.71	600	0.5	2	0.52	< 0.5	11	71	19	3.82	1.61	0.68
5000E 5050N	201	285	< 5	< 0.2	5.27	520	1.5	< 2	0.40	< 0.5	2	61	9	2.23	1.65	0.45
5000E 5100N	201	285	< 5	< 0.2	5.85	540	1.5	2	0.70	< 0.5	9	70	25	3.23	2.15	0.83
5000E 5150N	201	285	< 5	< 0.2	6.64	570	1.0	< 2	0.74	< 0.5	14	70	41	3.18	2.34	1.06
5000E 5200N	201	285	< 5	< 0.2	5.43	630	1.0	< 2	1.14	< 0.5	12	65	29	3.05	1.52	0.67
5000N 3400E	201	285	< 5	< 0.2	6.07	590	0.5	< 2	0.52	< 0.5	12	68	25	3.62	2.12	0.84
5000N 3450E	201	285	< 5	< 0.2	5.07	630	1.5	< 2	1.82	< 0.5	10	63	63	2.80	1.75	0.89
5000N 3500E	201	285	15	< 0.2	6.41	610	1.5	< 2	2.48	< 0.5	14	68	83	3.12	2.38	2.18
5000N 3550E	201	285	< 5	< 0.2	6.56	680	< 0.5	< 2	0.71	< 0.5	13	75	42	3.90	2.05	0.93
5000N 3600E	201	285	< 5	< 0.2	6.10	580	< 0.5	< 2	1.75	< 0.5	11	73	56	3.41	2.11	1.52
5000N 3650E	201	285	< 5	< 0.2	6.31	620	< 0.5	6	0.85	< 0.5	15	73	50	4.00	1.94	0.85
5000N 3700E	201	285	< 5	< 0.2	7.13	510	1.5	< 2	0.44	< 0.5	12	80	48	3.21	2.87	1.10
5000N 3750E	201	285	< 5	< 0.2	7.28	480	1.5	4	0.32	< 0.5	13	81	46	3.41	2.37	1.01
5000N 3800E	201	285	< 5	< 0.2	6.15	560	1.0	< 2	2.05	< 0.5	9	69	46	3.02	2.45	1.81
5000N 4000E	201	285	< 5	< 0.2	6.08	580	< 0.5	4	0.65	< 0.5	11	72	19	3.54	1.51	0.72
5000N 4050E	201	285	< 5	< 0.2	6.75	680	< 0.5	4	0.71	< 0.5	12	72	20	3.36	2.19	0.85
5000N 4100E	201	285	10	< 0.2	6.84	570	0.5	2	0.60	< 0.5	13	78	31	4.07	1.77	0.87
5000N 4150E	201	285	15	< 0.2	6.07	580	0.5	< 2	2.66	< 0.5	9	76	27	3.36	2.15	1.99
5000N 4200E	201	285	< 5	< 0.2	6.22	570	< 0.5	4	0.55	< 0.5	11	76	20	4.04	1.99	0.86
5000N 4250E	201	285	< 5	< 0.2	6.59	600	< 0.5	2	1.10	< 0.5	11	75	25	3.58	1.49	0.75
5000N 4300E	201	285	< 5	0.4	6.48	670	< 0.5	4	0.64	< 0.5	12	73	18	3.72	1.43	0.70
5000N 4350E	201	285	< 5	< 0.2	6.65	630	< 0.5	< 2	0.51	< 0.5	13	79	19	4.06	1.62	0.75
5000N 4400E	201	285	< 5	< 0.2	6.45	590	< 0.5	2	0.44	< 0.5	13	73	14	3.86	1.65	0.72

CERTIFICATION: Stuart Buchler

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

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

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

Certificate Date: 04-AUG-93
Invoice No. : I9317888
P.O. Number :
Account :BM W

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

CERTIFICATE OF ANALYSIS A9317888

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		
4600E 4850N	201 285	795	< 1	0.56	23	360	14	42	0.25	76	< 10	88	40		
4600E 4900N	201 285	965	< 1	0.56	25	320	28	48	0.26	91	< 10	80	40		
4600E 5000N	201 285	745	< 1	0.54	20	780	18	57	0.22	75	< 10	94	30		
4600E 5050N	201 285	725	< 1	0.47	17	460	10	52	0.17	60	< 10	64	< 10		
4600E 5100N	201 285	790	< 1	0.65	23	480	12	54	0.24	78	< 10	74	30		
4600E 5150N	201 285	915	1	0.58	22	500	16	40	0.23	68	< 10	72	30		
4600E 5200N	201 285	1075	< 1	0.60	26	450	14	43	0.25	78	< 10	88	40		
4600E 5250N	201 285	365	< 1	0.63	24	550	14	43	0.26	76	< 10	90	40		
4600E 5300N	201 285	615	< 1	0.64	22	510	16	57	0.26	81	< 10	96	30		
4600E 5350N	201 285	825	< 1	0.71	21	430	14	41	0.24	70	< 10	68	40		
4600E 5400N	201 285	800	< 1	0.71	18	520	10	58	0.22	63	< 10	52	10		
4600E 5450N	201 285	825	< 1	0.93	25	550	14	50	0.23	73	< 10	66	30		
5000E 4705N	201 285	840	< 1	0.56	24	390	12	42	0.30	84	< 10	62	50		
5000E 4750N	201 285	905	< 1	0.54	23	380	16	48	0.28	86	< 10	80	40		
5000E 4800N	201 285	455	< 1	0.70	23	350	22	72	0.27	97	< 10	70	30		
5000E 4850N	201 285	5410	< 1	0.68	27	510	40	64	0.26	130	< 10	146	30		
5000E 4900N	201 285	1780	< 1	0.72	20	440	22	74	0.30	105	< 10	100	30		
5000E 4950N	201 285	795	1	1.10	22	360	20	69	0.29	99	< 10	66	30		
5000E 5050N	201 285	210	1	0.74	9	210	12	73	0.38	97	< 10	50	30		
5000E 5100N	201 285	720	< 1	0.57	19	670	20	56	0.24	87	< 10	124	30		
5000E 5150N	201 285	710	1	1.14	25	630	12	96	0.31	78	< 10	90	40		
5000E 5200N	201 285	1920	< 1	0.58	19	950	22	64	0.23	88	< 10	118	30		
5000N 3400E	201 285	1235	1	0.59	24	270	24	52	0.26	90	< 10	86	30		
5000N 3450E	201 285	1105	< 1	0.47	22	860	14	46	0.20	82	< 10	100	30		
5000N 3500E	201 285	1025	< 1	0.61	26	660	14	52	0.27	84	10	82	30		
5000N 3550E	201 285	885	< 1	0.60	27	530	28	66	0.29	107	10	122	40		
5000N 3600E	201 285	885	< 1	0.55	24	530	20	56	0.26	94	< 10	88	30		
5000N 3650E	201 285	1600	1	0.62	27	560	32	69	0.29	106	< 10	116	40		
5000N 3700E	201 285	875	< 1	0.52	25	300	10	33	0.27	74	< 10	60	40		
5000N 3750E	201 285	690	< 1	0.49	25	290	16	33	0.26	81	< 10	58	40		
5000N 3800E	201 285	625	< 1	0.55	23	620	18	51	0.23	79	< 10	92	30		
5000N 4000E	201 285	710	< 1	0.72	20	370	28	70	0.29	112	< 10	114	30		
5000N 4050E	201 285	1435	< 1	1.13	22	820	24	50	0.24	110	< 10	108	30		
5000N 4100E	201 285	1020	< 1	0.70	29	390	28	65	0.29	114	< 10	96	40		
5000N 4150E	201 285	695	< 1	0.77	23	610	14	78	0.27	88	< 10	84	30		
5000N 4200E	201 285	945	< 1	0.63	25	480	28	70	0.29	104	< 10	104	40		
5000N 4250E	201 285	900	1	0.86	26	630	24	68	0.29	113	< 10	114	30		
5000N 4300E	201 285	1045	< 1	0.84	21	420	26	75	0.33	117	< 10	164	30		
5000N 4350E	201 285	600	1	0.77	25	370	30	79	0.35	121	< 10	104	30		
5000N 4400E	201 285	565	< 1	0.77	21	280	26	77	0.34	104	< 10	70	30		

CERTIFICATION: Hart 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: 04-AUG-93
Invoice No. : I9317888
P.O. Number :
Account : BM W

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

CERTIFICATE OF ANALYSIS A9317888

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)
5000N 4450E	201	285	< 5	< 0.2	6.60	600	0.5	2	0.46	< 0.5	9	72	44	3.68	2.42	0.90
5000N 4500E	201	285	< 5	< 0.2	5.79	670	< 0.5	4	0.69	< 0.5	9	68	19	3.30	1.48	0.58
5000N 4550E	201	285	< 5	< 0.2	6.12	560	< 0.5	8	0.33	< 0.5	11	71	17	3.53	1.56	0.68
5000N 4588E	201	285	< 5	< 0.2	6.00	550	< 0.5	4	0.61	< 0.5	8	71	19	3.59	1.42	0.74
5000N 4650E	201	285	< 5	< 0.2	5.90	540	< 0.5	6	0.33	< 0.5	8	68	36	3.08	2.05	0.73
5000N 4700E	201	285	< 5	< 0.2	5.64	550	< 0.5	6	0.41	< 0.5	9	66	21	3.38	1.72	0.70
5000N 4750E	201	285	< 5	< 0.2	5.96	540	< 0.5	6	0.51	< 0.5	11	70	23	3.58	1.42	0.61
5000N 4800E	201	285	5	< 0.2	5.92	630	< 0.5	4	0.47	< 0.5	10	70	16	3.33	1.64	0.65
5000N 4850E	201	285	< 5	< 0.2	5.81	560	< 0.5	4	0.56	< 0.5	11	70	30	3.44	1.93	0.71
5000N 4900E	201	285	< 5	< 0.2	6.01	610	< 0.5	2	0.68	< 0.5	9	69	48	2.94	2.22	0.95
5000N 4950E	201	285	< 5	< 0.2	6.34	620	< 0.5	4	0.41	< 0.5	12	77	29	3.87	1.63	0.72
5000N 5000E	201	285	< 5	< 0.2	5.54	670	< 0.5	2	1.05	< 0.5	12	66	30	3.18	1.62	0.69
93-MS-01	201	285	< 5	< 0.2	7.39	710	< 0.5	8	0.86	< 0.5	16	75	83	4.38	2.01	0.86
93-MS-02	201	285	< 5	< 0.2	7.57	740	< 0.5	6	0.79	< 0.5	16	73	74	4.09	2.26	0.92
93-MS-03	201	285	< 5	< 0.2	6.57	730	< 0.5	< 2	1.74	< 0.5	14	73	87	3.90	2.14	1.49
~~93-BG-01~~	~~201~~	~~285~~	~~< 5~~	~~< 0.2~~	~~7.87~~	~~410~~	~~4.0~~	~~12~~	~~0.33~~	~~< 0.5~~	~~124~~	~~70~~	~~98~~	~~3.37~~	~~1.62~~	~~0.76~~
93-DC-01	201	285	< 5	< 0.2	6.27	450	0.5	6	0.77	< 0.5	10	69	42	2.72	2.49	0.90
93-DC-02	201	285	< 5	< 0.2	6.82	420	0.5	8	0.66	< 0.5	9	74	44	2.63	2.60	0.93
93-SD-01	201	285	< 5	< 0.2	6.39	570	< 0.5	10	0.73	< 0.5	13	71	33	2.67	2.30	0.85
93-SD-02	201	285	< 5	< 0.2	6.37	390	0.5	4	0.57	< 0.5	10	70	42	2.52	2.73	0.94

CERTIFICATION: Ian Bucklen

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

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

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

Page Number [redacted]6-B
Total Pages :5
Certificate Date: 04-AUG-93
Invoice No. : I9317888
P.O. Number :
Account : BM W

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

CERTIFICATE OF ANALYSIS A9317888

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		
5000N 4450E	201	285	835	1	0.64	26	320	20	57	0.26	81	< 10	80	40		
5000N 4500E	201	285	945	1	0.64	17	350	24	73	0.29	102	< 10	92	30		
5000N 4550E	201	285	615	< 1	0.64	18	240	24	59	0.30	86	< 10	66	40		
5000N 4588E	201	285	360	1	0.66	21	340	22	70	0.30	98	< 10	90	40		
5000N 4650E	201	285	530	1	0.68	23	380	16	61	0.29	76	< 10	60	40		
5000N 4700E	201	285	565	1	0.66	21	270	20	68	0.28	83	< 10	64	40		
5000N 4750E	201	285	605	2	0.82	19	300	26	69	0.31	100	< 10	80	40		
5000N 4800E	201	285	410	1	0.87	18	440	22	84	0.32	92	< 10	66	30		
5000N 4850E	201	285	930	2	0.80	22	480	20	78	0.29	83	< 10	74	40		
5000N 4900E	201	285	470	1	0.71	23	390	20	62	0.27	77	< 10	72	40		
5000N 4950E	201	285	460	< 1	0.74	28	280	28	81	0.30	99	< 10	74	30		
5000N 5000E	201	285	1855	1	0.62	20	870	24	66	0.24	83	< 10	114	30		
93-MS-01	201	285	1770	1	0.85	30	820	20	106	0.19	67	< 10	164	120		
93-MS-02	201	285	1705	2	0.94	29	770	20	110	0.21	64	< 10	152	100		
93-MS-03	201	285	1295	1	0.96	29	780	20	105	0.27	88	< 10	142	50		
~~93-DC-01~~	~~201~~	~~285~~	~~595~~	~~4~~	~~1.01~~	~~84~~	~~700~~	~~14~~	~~53~~	~~0.33~~	~~68~~	~~< 10~~	~~168~~	~~130~~		
93-DC-01	201	285	495	2	0.50	22	520	8	38	0.25	64	< 10	98	50		
93-DC-02	201	285	420	< 1	0.46	21	460	6	39	0.25	65	< 10	62	40		
93-SD-01	201	285	1380	< 1	0.50	20	570	10	45	0.21	66	< 10	84	30		
93-SD-02	201	285	580	1	0.56	20	500	10	35	0.24	60	< 10	50	50		

CERTIFICATION: Stewart Bachler

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

::

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 -> OLYM			40		0.00		0		0.000		0
	element	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

		ALL DATA			1249	ROCK TYPE -> HOOV			268	ROCK TYPE -> EAGL			152
	Element	mean	stand. Dev.	95 %	Samples	mean	stand. Dev.	95 %	Samples	mean	stand. Dev.	95 %	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

::

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 -> BONN			417	ROCK TYPE -> FAIR			199	ROCK TYPE -> PLUM			134
	element	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

::

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

		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	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

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 -> BONN			349	ROCK TYPE -> FAIR			199	ROCK TYPE -> PLUM			134
	element	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

::

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 -> 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	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

		ALL DATA			1249	ROCK TYPE -> HOOV			268	ROCK TYPE -> EAGL			152
	Element	mean	stand. Dev.	95 %	Samples	mean	stand. Dev.	95 %	Samples	mean	stand. Dev.	95 %	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

::

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

		ROCK TYPE -> BONN			417	ROCK TYPE -> FAIR			199	ROCK TYPE -> PLUM			134
	element	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

		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	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

::

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 mean	stand. Dev.	95 %	197 Samples	ROCK TYPE -> MICA mean	stand. Dev.	95 %	140 Samples	ROCK TYPE -> HAIL mean	stand. Dev.	95 %	50 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

::

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 -> 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	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
FTR		8.31	14	45.67	59	5.5	5.65	12.23	77	2.64	4.00	6.10	78
PTR		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

::

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 -> 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	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

::

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
FIR		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

::

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 -> PLUM			16	ROCK TYPE -> MMM			24	ROCK TYPE -> TVA			33
	element	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
FIR		0.75	0.08	0.87	3	5.31	9.43	38.38	13	0.00	0.00	0.00	0
PIR		0.86	0.05	0.93	3	4.63	2.82	12.85	13	0.00	0.00	0.00	0
LIR		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
FIR		3.24	8.93	7.95	1359	3.64	12.24	9.6	192	1.25	1.31	3.20	191
PIR		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

::

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 -> 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	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

::

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 -> 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	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
FIR		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

::

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

		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	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
FIR		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

::

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 -> PLUM			16	ROCK TYPE -> MMM			24	ROCK TYPE -> TVA			33
element		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
FIR		0.55	0.11	0.78	16	3.11	7.34	5.8	24	0.50	0.00	0.50	33
PIR		0.57	0.14	0.89	16	2.74	2.93	8.1	24	0.50	0.00	0.50	33
LIR		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
FIR		3.43	0.9	11.95	995	5.39	1.1	25.03	90	1.29	0.54	3.48	166
PIR		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

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 -> 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	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

::

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

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 -> 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	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
FIR		3.8	0.54	13.28	14	2.24	0.75	6.24	61	0.00	0.00	0.00	0
PIR		6.21	0.53	18.77	14	4.57	0.94	15.01	60	0.00	0.00	0.00	0
LIR		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

::

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 -> 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	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

(* - indicates only 1992 sample data) FILE=93STATDT

		ROCK TYPE -> PLUM			16	ROCK TYPE -> MMM			24	ROCK TYPE -> TVA			33
	element	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 Limiit 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
FIR		2.57	1.02	8.56	1359	2.26	1.16	10.07	192	1.18	0.57	3.09	191
PIR		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

::

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

		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
FIR		3.27	1.01	7.87	197	3.58	1.06	15.1	140	3.13	0.43	5.33	50
PIR		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

::

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 -> 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	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

::

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 -> 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

::

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

		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	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
FIR		4.03	0.9	13.09	25	4.31	1.61	47.93	19	0.00	0.00	0.50	22
PIR		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 Limiit Used | No Recovery Weighting Used

NATURAL LOG DATA

(* - indicates only 1992 sample data)

FILE=93STATDT

		ROCK TYPE -> PLUM			16	ROCK TYPE -> MMM			24	ROCK TYPE -> TVA			33
	element	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

FAIRCHILD LAKE GEOCHEMISTRY ---- NORMAL 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	0.106	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	−0.008	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	−0.253	−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	0.133	−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	-0.068	-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	-0.008	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	-0.008	-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	-0.099	-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 ---> FAIR
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	PB	K	MG	MN	MO	NA	NI	P	PB	SR	TI	V	W	ZN	LA	U
AU	1																											
#PRS	16																											
AG	0.396	1																										
#PRS	16	16																										
AL	0.281	0.253	1																									
#PRS	16	16	16																									
BA	-0.223	-0.074	-0.155	1																								
#PRS	16	16	16	16																								
BE	0.805	-0.067	0.148	-0.098	1																							
#PRS	16	16	16	16	16																							
BI	0.115	0.507	0.287	-0.197	-0.169	1																						
#PRS	16	16	16	16	16	16																						
CA	0.232	-0.151	0.23	0.088	0.347	-0.235	1																					
#PRS	16	16	16	16	16	16	16																					
CD	0	0	0	0	0	0	0	0																				
#PRS	16	16	16	16	16	16	16	16																				
CO	-0.117	-0.035	0.032	-0.32	-0.114	0.096	-0.185	0	1																			
#PRS	16	16	16	16	16	16	16	16	16																			
CR	-0.016	0.336	0.715	-0.332	-0.205	0.044	0.056	0	-0.013	1																		
#PRS	16	16	16	16	16	16	16	16	16	16																		
CUG	0.518	0.831	0.426	-0.225	0.125	0.539	0.044	0	-0.118	0.499	1																	
#PRS	16	16	16	16	16	16	16	16	16	16	16																	
CUA	0	0	0	0	0	0	0	0	0	0	0	0																
#PRS	1	1	1	1	1	1	1	1	1	1	1	1																
PB	-0.106	0.036	-0.707	-0.229	-0.12	-0.143	-0.548	0	0.024	-0.2	0.027	0	1															
#PRS	16	16	16	16	16	16	16	16	16	16	16	1	16															
K	-0.173	0.244	0.308	0.153	-0.302	0.288	0.181	0	-0.273	0.359	0.397	0	-0.174	1														
#PRS	16	16	16	16	16	16	16	16	16	16	16	1	16	16														
MG	-0.08	0.325	0.516	-0.336	-0.327	0.082	0.052	0	-0.02	0.869	0.502	0	-0.026	0.603	1													
#PRS	16	16	16	16	16	16	16	16	16	16	16	1	16	16	16													
MN	0.046	-0.207	-0.178	-0.15	0.063	0.108	0.279	0	0.54	-0.426	-0.267	0	-0.226	-0.166	-0.232	1												
#PRS	16	16	16	16	16	16	16	16	16	16	16	1	16	16	16	16												
MO	0.027	0.025	-0.842	-0.161	0.025	-0.062	-0.455	0	-0.007	-0.574	-0.128	0	0.8	-0.334	-0.387	0.149	1											
#PRS	16	16	16	16	16	16	16	16	16	16	16	1	16	16	16	16	16											
NA	0.443	-0.017	0.717	-0.137	0.462	0.042	0.125	0	0.284	0.253	0.024	0	-0.611	-0.354	-0.073	0.014	-0.604	1										
#PRS	16	16	16	16	16	16	16	16	16	16	16	1	16	16	16	16	16	16										
NI	-0.025	0.325	0.335	-0.474	-0.262	0.055	-0.015	0	-0.117	0.818	0.55	0	0.206	0.495	0.936	-0.298	-0.148	-0.223	1									
#PRS	16	16	16	16	16	16	16	16	16	16	16	1	16	16	16	16	16	16	16									
P	0.141	-0.085	0.204	0.453	0.193	0.019	0.491	0	0.133	-0.328	-0.172	0	-0.649	-0.142	-0.473	0.233	-0.486	0.477	-0.673	1								
#PRS	16	16	16	16	16	16	16	16	16	16	16	1	16	16	16	16	16	16	16	16								
PB	-0.136	-0.067	0.153	-0.05	-0.067	0.507	-0.297	0	-0.105	-0.205	-0.156	0	-0.321	0.003	-0.327	0.052	0.025	0.145	-0.327	0.034	1							
#PRS	16	16	16	16	16	16	16	16	16	16	16	1	16	16	16	16	16	16	16	16	16							
SR	0.173	0.585	0.647	-0.353	-0.136	0.297	0.111	0	-0.035	0.857	0.778	0	-0.119	0.545	0.807	-0.405	-0.479	0.13	0.786	-0.219	-0.235	1						
#PRS	16	16	16	16	16	16	16	16	16	16	16	1	16	16	16	16	16	16	16	16	16	16						
TI	0	0	0	0	-0.001	0	0.001	0	0	0	0	0	0	0.001	0	0	0	0	0	0	0	0	-1					
#PRS	16	16	16	16	16	16	16	16	16	16	16	1	16	16	16	16	16	16	16	16	16	16	16					
V	-0.002	0.349	0.674	-0.156	-0.176	0.103	-0.027	0	-0.142	0.933	0.568	0	-0.109	0.421	0.814	-0.572	-0.55	0.197	0.771	-0.33	-0.242	0.854	0	1				
#PRS	16	16	16	16	16	16	16	16	16	16	16	1	16	16	16	16	16	16	16	16	16	16	16	16				
W	0.259	0.419	0.655	-0.588	-0.01	0.337	-0.039	0	0.313	0.801	0.661	0	-0.055	0.229	0.754	-0.094	-0.371	0.336	0.733	-0.328	-0.225	0.821	0	0.776	1			
#PRS	16	16	16	16	16	16	16	16	16	16	16	1	16	16	16	16	16	16	16	16	16	16	16	16	16			
ZN	-0.122	-0.036	0.153	-0.063	-0.068	0.527	-0.314	0	-0.108	-0.195	-0.126	0	-0.301	0.012	-0.314	0.039	0.039	0.135	-0.309	0.014	0.999	-0.215	0	-0.23	-0.207	1		
#PRS	16	16	16	16	16	16	16	16	16	16	16	1	16	16	16	16	16	16	16	16	16	16	16	16	16	16		
LA	-0.191	-0.111	0.087	0.472	-0.111	0.239	-0.316	0	-0.17	-0.299	-0.276	0	-0.363	-0.252	-0.522	-0.112	-0.123	0.27	-0.56	0.299	0.677	-0.369	0	-0.156	-0.37	0.667	1	
#PRS	16	16	16	16	16	16	16	16	16	16	16	1	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	
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	PB	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 ---> FAIR
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	16																											
AG	0.452	1																										
#PRS	16	16																										
AL	0.205	0.103	1																									
#PRS	16	16	16																									
BA	−0.165	0.033	−0.092	1																								
#PRS	16	16	16	16																								
BE	0.578	−0.067	0.087	−0.002	1																							
#PRS	16	16	16	16	16																							
BI	0.217	0.471	0.216	−0.115	−0.184	1																						
#PRS	16	16	16	16	16	16																						
CA	0.185	0.019	0.956	−0.022	0.136	0.088	1																					
#PRS	16	16	16	16	16	16	16																					
CD	0	−0.001	0	0.001	−0.002	0	0	−1																				
#PRS	16	16	16	16	16	16	16	16																				
CO	0.064	0.133	0.215	−0.758	−0.331	0.345	0.136	0	1																			
#PRS	16	16	16	16	16	16	16	16	16																			
CR	0.142	0.279	0.771	−0.292	−0.15	0.122	0.67	0.001	0.441	1																		
#PRS	16	16	16	16	16	16	16	16	16	16																		
CUG	0.42	0.343	0.271	−0.31	0.211	0.318	0.226	0.001	0.327	0.503	1																	
#PRS	16	16	16	16	16	16	16	16	16	16	16																	
CUA	0	0	0	0	0	0	0	0	0	0	0	0																
#PRS	1	1	1	1	1	1	1	1	1	1	1	1																
FE	0.066	0.111	−0.595	−0.21	−0.084	−0.187	−0.548	0.001	0.369	−0.144	0.217	0	1															
#PRS	16	16	16	16	16	16	16	16	16	16	16	1	16															
K	−0.126	0.214	0.321	0.406	−0.332	0.233	0.336	0	−0.03	0.369	0.132	0	−0.192	1														
#PRS	16	16	16	16	16	16	16	16	16	16	16	1	16	16														
MG	0.053	0.206	0.388	−0.39	−0.381	0.129	0.374	0	0.699	0.669	0.174	0	0.287	0.399	1													
#PRS	16	16	16	16	16	16	16	16	16	16	16	1	16	16	16													
MN	0.156	−0.147	0.648	−0.156	0.141	0.287	0.737	0.003	0.28	0.159	−0.034	0	−0.467	0.127	0.246	1												
#PRS	16	16	16	16	16	16	16	16	16	16	16	1	16	16	16	16												
MO	0.177	0.112	−0.691	−0.066	0.112	0.107	−0.635	0	0.025	−0.712	−0.065	0	0.448	−0.287	−0.265	−0.108	1											
#PRS	16	16	16	16	16	16	16	16	16	16	16	1	16	16	16	16	16											
NA	0.266	0.082	0.766	−0.209	0.161	0.239	0.62	0	0.15	0.65	0.2	0	−0.564	0.026	0.13	0.277	−0.76	1										
#PRS	16	16	16	16	16	16	16	16	16	16	16	1	16	16	16	16	16	16										
NI	0.162	0.266	0.05	−0.404	−0.221	0.051	0.049	0.001	0.552	0.52	0.429	0	0.539	0.396	0.835	−0.115	−0.03	−0.124	1									
#PRS	16	16	16	16	16	16	16	16	16	16	16	1	16	16	16	16	16	16	16									
P	0.152	−0.007	0.691	0.126	0.197	0.206	0.691	0.002	−0.125	0.219	−0.121	0	−0.714	−0.045	−0.141	0.609	−0.532	0.727	−0.528	1								
#PRS	16	16	16	16	16	16	16	16	16	16	16	1	16	16	16	16	16	16	16	16								
PB	−0.165	−0.067	0.088	0.065	−0.067	0.471	−0.044	0	−0.202	−0.15	−0.045	0	−0.65	0.162	−0.381	0.134	0.112	0.115	−0.372	0.093	1							
#PRS	16	16	16	16	16	16	16	16	16	16	16	1	16	16	16	16	16	16	16	16	16							
SR	0.27	0.315	0.83	−0.224	−0.018	0.243	0.768	0.001	0.394	0.927	0.577	0	−0.229	0.461	0.573	0.315	−0.701	0.716	0.435	0.401	−0.145	1						
#PRS	16	16	16	16	16	16	16	16	16	16	16	1	16	16	16	16	16	16	16	16	16	16						
TI	0	0	0	0	−0.003	0	0	−1.631	0	0.002	0	0	0	0	0	0.001	0	0	0.002	0	0	−0.001	1					
#PRS	16	16	16	16	16	16	16	16	16	16	16	1	16	16	16	16	16	16	16	16	16	16	16					
V	0.179	0.252	0.76	−0.115	−0.044	0.156	0.639	0.001	0.29	0.949	0.488	0	−0.164	0.334	0.544	0.087	−0.76	0.719	0.391	0.301	−0.145	0.89	−0.001	1				
#PRS	16	16	16	16	16	16	16	16	16	16	16	1	16	16	16	16	16	16	16	16	16	16	16	16				
W	0.385	0.268	0.537	−0.58	0.081	0.358	0.411	0	0.71	0.757	0.726	0	0.178	0.045	0.593	0.203	−0.234	0.449	0.554	−0.004	−0.105	0.703	−0.001	0.725	1			
#PRS	16	16	16	16	16	16	16	16	16	16	16	1	16	16	16	16	16	16	16	16	16	16	16	16	16			
ZN	0.009	0.182	−0.045	−0.026	−0.048	0.612	−0.21	0.002	−0.051	−0.104	0.139	0	−0.373	0.21	−0.228	−0.024	0.279	0.01	−0.098	−0.155	0.914	−0.115	0	−0.102	0.068	1		
#PRS	16	16	16	16	16	16	16	16	16	16	16	1	16	16	16	16	16	16	16	16	16	16	16	16	16	16		
LA	−0.17	−0.136	0.13	0.32	−0.136	0.191	0.038	0	−0.404	−0.198	−0.187	0	−0.635	−0.175	−0.618	0.04	−0.109	0.231	−0.771	0.408	0.621	−0.209	−0.001	−0.105	−0.275	0.373	1	
#PRS	16	16	16	16	16	16	16	16	16	16	16	1	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	
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 ---- 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	−0.105	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	−0.009	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	−0.006	−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	−0.008	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 ---> FAIR
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	199																											
AG	0.021	1																										
#PRS	199	199																										
AL	−0.011	0.012	1																									
#PRS	199	199	199																									
BA	−0.081	−0.095	0.504	1																								
#PRS	199	199	199	199																								
BE	0.003	0.172	0.039	−0.176	1																							
#PRS	199	199	199	199	199																							
BI	−0.106	−0.057	0.094	0.113	−0.124	1																						
#PRS	199	199	199	199	199	199																						
CA	0.033	−0.06	−0.526	−0.327	−0.045	−0.261	1																					
#PRS	199	199	199	199	199	199	199																					
CD	−0.051	−0.044	−0.166	0.064	−0.091	−0.111	0.279	1																				
#PRS	199	199	199	199	199	199	199	199																				
CO	0.015	0.104	0.029	−0.182	0.127	−0.027	0.057	−0.022	1																			
#PRS	199	199	199	199	199	199	199	199	199																			
CR	−0.049	−0.041	0.449	0.098	−0.202	−0.031	−0.107	−0.036	0.035	1																		
#PRS	199	199	199	199	199	199	199	199	199	199																		
CUG	0.222	−0.052	−0.077	−0.251	−0.116	−0.182	0.251	−0.019	0.145	0.515	1																	
#PRS	199	199	199	199	199	199	199	199	199	199	199																	
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	0.02	0.152	0.557	0.214	−0.026	−0.068	−0.235	−0.111	0.366	0.634	0.407	0	1															
#PRS	199	199	199	199	199	199	199	199	199	199	199	0	199															
K	0.042	−0.249	0.656	0.386	0.011	0.032	−0.174	−0.119	−0.186	0.238	−0.079	0	0.052	1														
#PRS	199	199	199	199	199	199	199	199	199	199	199	0	199	199														
MG	0.047	−0.088	0.155	−0.078	−0.143	−0.24	0.546	0.005	0.026	0.608	0.45	0	0.33	0.33	1													
#PRS	199	199	199	199	199	199	199	199	199	199	199	0	199	199	199													
MN	0.07	0.291	−0.075	0.016	0.129	−0.154	0.049	0.019	0.347	−0.112	0.144	0	0.43	−0.413	−0.126	1												
#PRS	199	199	199	199	199	199	199	199	199	199	199	0	199	199	199	199												
MO	0.16	0.225	−0.149	−0.097	0.087	−0.034	−0.016	−0.103	0.428	−0.18	0.077	0	0.249	−0.336	−0.195	0.608	1											
#PRS	199	199	199	199	199	199	199	199	199	199	199	0	199	199	199	199	199											
NA	−0.015	0.267	0.316	−0.189	0.145	−0.091	−0.129	−0.132	0.398	0.167	0.121	0	0.53	−0.174	0.113	0.415	0.247	1										
#PRS	199	199	199	199	199	199	199	199	199	199	199	0	199	199	199	199	199	199										
NI	0.034	−0.049	0.288	0.077	−0.209	−0.178	0.03	−0.02	0.098	0.804	0.721	0	0.73	0.102	0.558	0.212	0.025	0.223	1									
#PRS	199	199	199	199	199	199	199	199	199	199	199	0	199	199	199	199	199	199	199									
P	0.035	0.08	−0.422	−0.068	0.009	−0.226	0.376	0.134	0.123	−0.159	0.262	0	0.038	−0.378	−0.016	0.483	0.316	0.19	0.155	1								
#PRS	199	199	199	199	199	199	199	199	199	199	199	0	199	199	199	199	199	199	199	199								
PB	−0.036	0.12	0.143	0.474	−0.067	0.077	−0.188	0.129	−0.113	−0.14	−0.242	0	0.094	−0.145	−0.337	0.067	0.074	−0.187	−0.134	0.011	1							
#PRS	199	199	199	199	199	199	199	199	199	199	199	0	199	199	199	199	199	199	199	199	199							
SR	−0.042	0.032	0.009	0.344	−0.276	0.009	0.019	0.062	0.021	0.018	0.051	0	0.261	−0.246	−0.085	0.224	0.184	0.06	0.194	0.213	0.497	1						
#PRS	199	199	199	199	199	199	199	199	199	199	199	0	199	199	199	199	199	199	199	199	199	199						
TI	−0.071	−0.044	0.604	0.243	−0.208	0.046	−0.302	−0.098	−0.016	0.818	0.33	0	0.628	0.333	0.452	−0.24	−0.235	0.217	0.624	−0.304	−0.013	0.199	1					
#PRS	199	199	199	199	199	199	199	199	199	199	199	0	199	199	199	199	199	199	199	199	199	199	199					
V	−0.099	0	0.471	0.25	−0.18	−0.029	−0.178	0.022	0.029	0.845	0.41	0	0.696	0.12	0.456	−0.113	−0.183	0.246	0.716	−0.073	0.131	0.259	0.9	1				
#PRS	199	199	199	199	199	199	199	199	199	199	199	0	199	199	199	199	199	199	199	199	199	199	199	199				
W	−0.108	−0.116	0.176	0.064	0.053	−0.066	0.011	0.027	0.009	0.472	0.405	0	0.3	0.155	0.363	−0.158	−0.243	0.046	0.448	−0.057	−0.098	−0.001	0.383	0.439	1			
#PRS	199	199	199	199	199	199	199	199	199	199	199	0	199	199	199	199	199	199	199	199	199	199	199	199	199			
ZN	−0.115	0.154	−0.08	0.298	0.076	−0.076	0.034	0.346	−0.063	−0.09	−0.096	0	−0.027	−0.156	−0.2	0.014	−0.045	−0.187	−0.07	0.299	0.588	0.312	−0.084	0.121	0.185	1		
#PRS	199	199	199	199	199	199	199	199	199	199	199	0	199	199	199	199	199	199	199	199	199	199	199	199	199	199		
LA	0.078	0.014	0.577	0.496	0.019	0.187	−0.63	−0.228	0.021	0.137	−0.093	0	0.327	0.364	−0.252	0.116	0.131	0.121	0.153	−0.112	0.13	0.127	0.266	0.158	−0.058	−0.056	1	
#PRS	199	199	199	199	199	199	199	199	199	199	199	0	199	199	199	199	199	199	199	199	199	199	199	199	199	199	199	
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 ---> FAIR
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	199																											
AG	0.039	1																										
#PRS	199	199																										
AL	0	0.017	1																									
#PRS	199	199	199																									
BA	−0.075	−0.115	0.634	1																								
#PRS	199	199	199	199																								
BE	0.002	0.148	0.029	−0.088	1																							
#PRS	199	199	199	199	199																							
BI	−0.111	−0.064	0.082	0.12	−0.128	1																						
#PRS	199	199	199	199	199	199																						
CA	0.082	−0.029	−0.479	−0.333	0.038	−0.349	1																					
#PRS	199	199	199	199	199	199	199																					
CD	−0.069	−0.057	−0.202	0.011	−0.063	−0.138	0.304	1																				
#PRS	199	199	199	199	199	199	199	199																				
CO	0.126	0.09	0.301	0.004	−0.078	−0.078	0.074	−0.036	1																			
#PRS	199	199	199	199	199	199	199	199	199																			
CR	−0.058	−0.065	0.647	0.336	−0.231	−0.007	−0.248	−0.089	0.315	1																		
#PRS	199	199	199	199	199	199	199	199	199	199																		
CUG	0.231	−0.051	−0.074	−0.238	−0.114	−0.337	0.454	0.02	0.529	0.222	1																	
#PRS	199	199	199	199	199	199	199	199	199	199	199																	
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	0.039	0.148	0.77	0.41	−0.105	−0.024	−0.272	−0.168	0.692	0.662	0.24	0	1															
#PRS	199	199	199	199	199	199	199	199	199	199	199	0	199															
K	0.033	−0.25	0.729	0.623	0.017	0.03	−0.246	−0.138	−0.054	0.507	0.009	0	0.341	1														
#PRS	199	199	199	199	199	199	199	199	199	199	199	0	199	199														
MG	0.089	−0.108	0.309	0.138	−0.099	−0.305	0.469	0.028	0.168	0.519	0.408	0	0.308	0.508	1													
#PRS	199	199	199	199	199	199	199	199	199	199	199	0	199	199	199													
MN	0.137	0.302	−0.029	−0.061	0.065	−0.168	0.19	0.045	0.556	−0.118	0.267	0	0.359	−0.361	−0.096	1												
#PRS	199	199	199	199	199	199	199	199	199	199	199	0	199	199	199	199												
MO	0.169	0.265	−0.09	−0.135	−0.01	0.017	0	−0.138	0.323	−0.237	0.121	0	0.168	−0.288	−0.252	0.485	1											
#PRS	199	199	199	199	199	199	199	199	199	199	199	0	199	199	199	199	199											
NA	0.031	0.239	0.67	0.149	0.014	−0.03	−0.225	−0.23	0.495	0.44	0.068	0	0.725	0.195	0.251	0.215	0.145	1										
#PRS	199	199	199	199	199	199	199	199	199	199	199	0	199	199	199	199	199	199										
NI	0.055	−0.056	0.464	0.25	−0.231	−0.22	0.014	−0.035	0.614	0.691	0.627	0	0.724	0.302	0.479	0.258	0.009	0.382	1									
#PRS	199	199	199	199	199	199	199	199	199	199	199	0	199	199	199	199	199	199	199									
P	0.052	0.058	−0.349	−0.153	0.019	−0.239	0.622	0.183	0.31	−0.25	0.472	0	−0.065	−0.321	0.043	0.477	0.216	−0.03	0.142	1								
#PRS	199	199	199	199	199	199	199	199	199	199	199	0	199	199	199	199	199	199	199	199								
PB	−0.017	0.098	0.21	0.461	0.018	0.104	−0.201	0.069	−0.041	−0.158	−0.335	0	0.146	0.059	−0.32	0.067	0.12	−0.048	−0.134	−0.047	1							
#PRS	199	199	199	199	199	199	199	199	199	199	199	0	199	199	199	199	199	199	199	199	199							
SR	−0.029	0.049	0.071	0.3	−0.291	0.03	0.059	0.057	0.239	0.082	0.037	0	0.3	−0.123	−0.078	0.114	0.159	0.154	0.235	0.172	0.485	1						
#PRS	199	199	199	199	199	199	199	199	199	199	199	0	199	199	199	199	199	199	199	199	199	199						
TI	−0.056	−0.04	0.831	0.552	−0.155	0.087	−0.412	−0.159	0.255	0.798	0.035	0	0.733	0.623	0.393	−0.227	−0.198	0.581	0.552	−0.367	0.089	0.235	1					
#PRS	199	199	199	199	199	199	199	199	199	199	199	0	199	199	199	199	199	199	199	199	199	199	199					
V	−0.106	0.014	0.688	0.532	−0.151	0.01	−0.232	−0.012	0.38	0.788	0.136	0	0.757	0.397	0.361	−0.073	−0.17	0.551	0.639	−0.135	0.174	0.36	0.883	1				
#PRS	199	199	199	199	199	199	199	199	199	199	199	0	199	199	199	199	199	199	199	199	199	199	199	199				
W	−0.13	−0.145	0.178	0.133	0.154	−0.052	0.069	0.061	0.102	0.34	0.148	0	0.204	0.214	0.271	−0.134	−0.295	0.08	0.268	−0.04	−0.164	0.058	0.292	0.362	1			
#PRS	199	199	199	199	199	199	199	199	199	199	199	0	199	199	199	199	199	199	199	199	199	199	199	199	199			
ZN	−0.125	0.145	−0.03	0.309	0.121	−0.076	0.16	0.336	0.065	−0.043	−0.016	0	0.04	−0.056	−0.139	0.094	−0.034	−0.156	0.017	0.325	0.572	0.398	−0.035	0.213	0.247	1		
#PRS	199	199	199	199	199	199	199	199	199	199	199	0	199	199	199	199	199	199	199	199	199	199	199	199	199	199		
LA	0.068	0.036	0.651	0.541	0.007	0.175	−0.689	−0.311	0.229	0.372	−0.108	0	0.516	0.464	−0.156	0.035	0.098	0.405	0.289	−0.242	0.271	0.118	0.522	0.401	0.027	−0.001	1	
#PRS	199	199	199	199	199	199	199	199	199	199	199	0	199	199	199	199	199	199	199	199	199	199	199	199	199	199	199	
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

APPENDIX G

GEOLOGIST'S CERTIFICATE

GEOLOGIST'S CERTIFICATE

I, DAVID A. CAULFIELD, of 3142 Gambier Street, Coquitlam, in the Province of British Columbia, DO HEREBY CERTIFY:

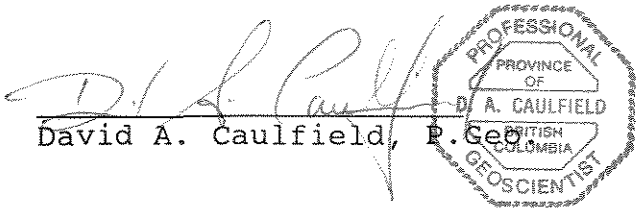
1. THAT I am a Consulting Geologist with offices at Suite 207, 675 West Hastings Street, Vancouver, British Columbia.

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

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 1st day of February, 1994.



David A. Caulfield, P.Geo.