

MAP NO.:  
106D 16

DOCUMENT NO: 093170  
MINING DISTRICT: MAYO  
TYPE OF WORK: GEOCHEM, GEOLOGY  
GEOPHYSICS

**REPORT FILED UNDER: PAMICON DEVELOPMENTS**

**DATE PERFORMED: JUNE 24-29, 1993**

**DATE FILED: FEB 21, 1994**

**LOCATION: LAT.: 64°54'N**

**AREA: FAIRCHILD LAKE**

**LONG.:** 134°10'W

**VALUE \$: 17.500**

CLAIM NAME & NO.: MICA 1-24(YB28540-563), MICA 25-32 (YB28851-858), HAIL 1-10 (YB28564-573), HAIL 11-18 (YB22503-510), REID 1-4 (YB22347-350), REID 5-12 (YB22521-528), REID 13-104 (YB22776-867), TVA 1-4 (YB29130-133), TVA 5-14 (YB22511-520), TVA 15-22 (YB42309-316), URSUS 1-12 (YB28528-539), URSUS 13-14 (YB28968-969), URSUS 15-18 (YB42305-308)

**WORK DONE BY: M.A. STAMMERS; PAMICON**

**WORK DONE FOR: WESTMIN RESOURCES**

**DATE TO GOOD STANDING:**

REMARKS:

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15 Feb. 94

Mayo

093170

106-D-16

Geological/Geochemical/Geophysical

Submitted by Pamicon Developments Limited  
M.A. Stammers.

Cls. work performed on

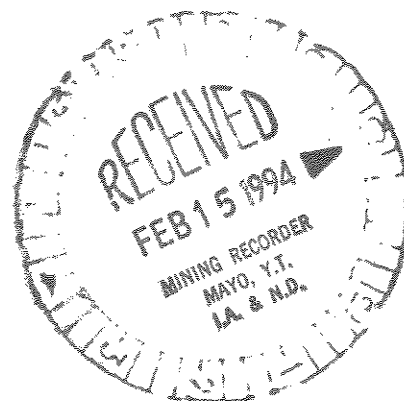
\$ req. for ren. application

17500.00

Signature \_\_\_\_\_

Date returned

Signature



1993 GEOLOGICAL, GEOCHEMICAL  
& GEOPHYSICAL REPORT  
ON THE  
MICA-HAIL, URSUS, TVA & REID CLAIMS

093170

Located at 64° 54' North Latitude 134° 10' West Longitude  
NTS 106D/16

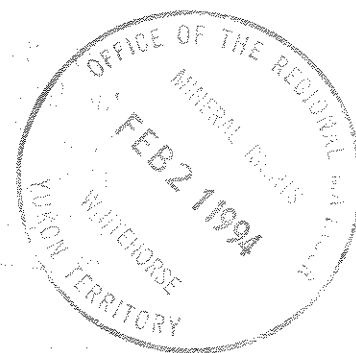
- Prepared For -

WESTMIN RESOURCES LIMITED

- Prepared By -

PAMICON DEVELOPMENTS LIMITED

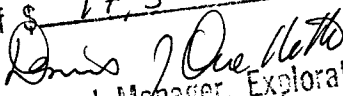
M.A. STAMMERS, P.GEO.



Work Completed: June 24 to June 29, 1993

Report Date: February, 1994

This report has been examined by  
the Geological Evaluation Unit  
under Section 53 (4) Yukon Quartz  
Mining Act and is allowed as  
representation work in the amount  
of \$ 17,500.

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

**1993 GEOLOGICAL, GEOCHEMICAL & GEOPHYSICAL REPORT  
ON THE MICA-HAIL, URSUS, TVA & REID CLAIMS**

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ON THE MICA-HAIL, URSUS, TVA & REID CLAIMS

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## 1.0 INTRODUCTION

This assessment report describes work on the Mica (1-46), Hail (1-10), Reid (1-4), TVA (1-4), and Ursus (1-7, 13-14) claim groups completed during the period June 1-30, 1993. The properties are all located about 10 to 15 kilometres south of the Bonnet Plume River, approximately 168 kilometres north-northeast of Mayo in east central Yukon (Figure 1). Situated in the Wernecke Mountains and accessible by air or a nearby winter cat road, the claims area is underlain by a weakly metamorphosed, faulted and folded sequence of Proterozoic, Wernecke Supergroup sedimentary strata that has been intruded by hematite breccias and cut by mafic sills and dykes.

The Wernecke Mountains were the focus of uranium exploration in the late 1970s and portions of the present Mica, Hail and Ursus claim groups were previously staked and worked by others including Pan Ocean Oil, Noranda, Texaco and Zelon Enterprises. No significant uranium mineralization was located and the claims were allowed to lapse.

Recent publication of data on the giant Olympic Dam copper-gold-silver-uranium deposit in Australia lead to the development of applying this deposit model to the Wernecke Supergroup strata and related hematite breccia complexes with its widely documented copper-uranium-gold-cobalt occurrences. It was on this basis that the original Hail 1-10, Mica 1-24, and Ursus 1-12 claims were acquired by staking in July 1992. New claim groups were staked and the original properties have expanded in stages that include the following acquisitions:

- \* Mica 25-42 in August 1992
- \* Ursus 13-14 in September 1992
- \* Mica 43-46 and the TVA 1-4 in October 1992
- \* Reid 1-4 in July 1993
- \* Hail 11-18, TVA 5-14 and the Reid 5-12 in August 1993
- \* Mica 47-52, Reid 13-104, TVA 15-22 and Ursus 15-18 in October 1993.

The initial work program in 1992 included lithogeochemical sampling, limited chip and soil sampling, prospecting and geological mapping on the Mica-Hail and Ursus claim groups. Several copper showings were identified, some having associated gold and cobalt values. This lead to a very limited follow-up program in 1993 that comprised geological mapping, lithogeochemistry, IP and magnetic geophysical surveys, and prospecting on the Mica-Hail claim group and similar surveys excepting the geophysical work on the Reid, TVA, and Ursus properties.

**WESTMIN RESOURCES LIMITED****FAIRCHILD PROJECT**

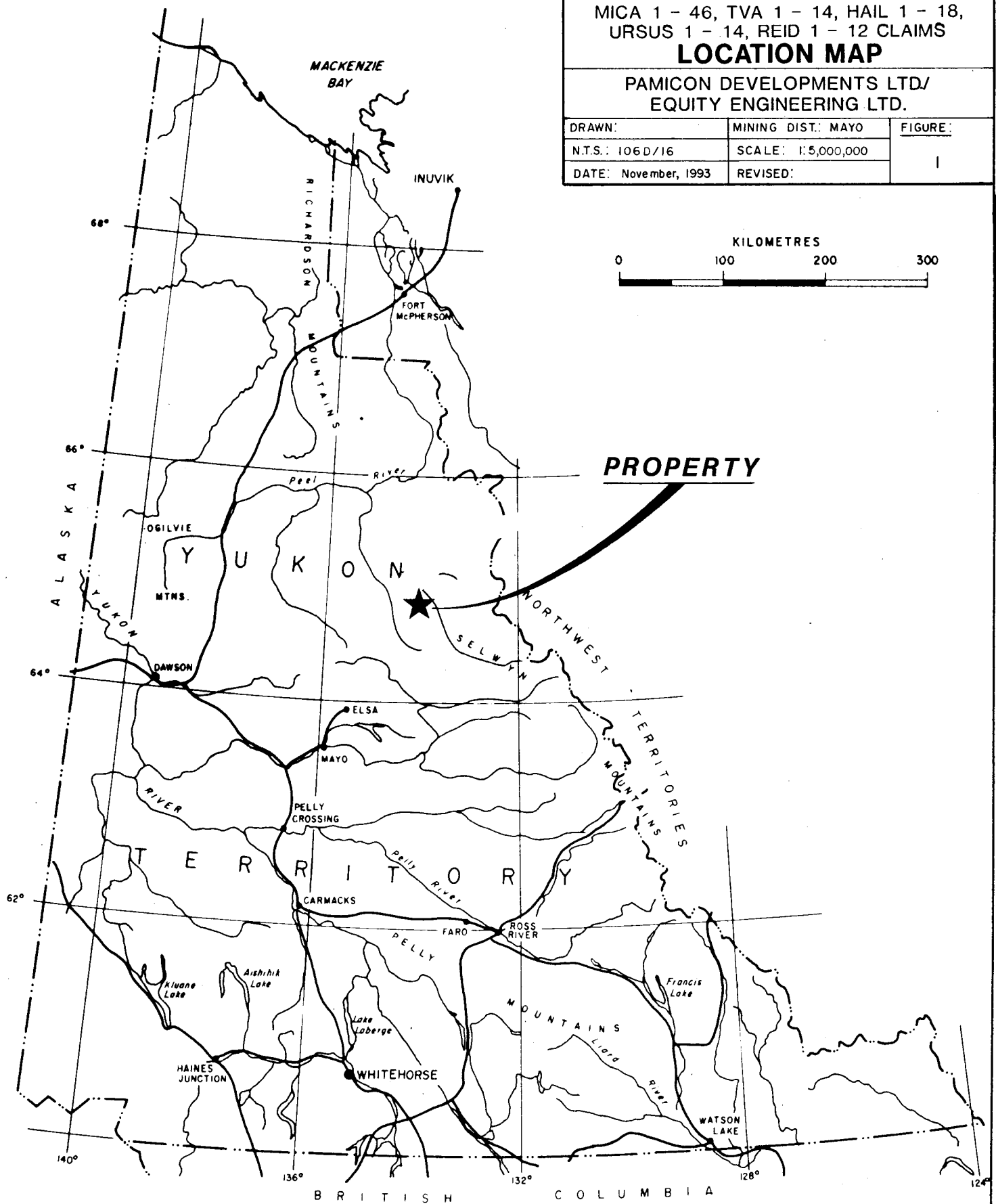
MAYO MINING DISTRICT, YUKON TERRITORY  
MICA 1 - 46, TVA 1 - 14, HAIL 1 - 18,  
URSUS 1 - 14, REID 1 - 12 CLAIMS

**LOCATION MAP**

PAMICON DEVELOPMENTS LTD/  
EQUITY ENGINEERING LTD.

|                      |                    |         |
|----------------------|--------------------|---------|
| DRAWN:               | MINING DIST: MAYO  | FIGURE: |
| N.T.S.: 106 D/16     | SCALE: 1:5,000,000 | 1       |
| DATE: November, 1993 | REVISED:           |         |

KILOMETRES



The 1993 work program was of such limited duration on the Mica-Hail and Ursus groups that little change may be reported from the 1992 work. On the Reid and TVA, a first pass exploration effort successfully located copper mineralization in structures spatially associated with hematite breccia bodies.

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

## 2.0 LIST OF CLAIMS

This assessment report discusses work undertaken on four quartz mineral claim groups located in the Mayo Mining District (Figure 2). Each group described below consists of contiguous claims.

Government records indicate that the Mica 1-46, Hail 1-10, TVA 1-4 and Ursus 1-14 claims are owned 50% each by Pamicon Developments Ltd. and Equity Engineering Ltd. of Vancouver, B.C. The Reid 1-104, Hail 11-18, Mica 47-52, TVA 5-22, and Ursus 15-18 claims are held by M. Stammers of North Vancouver, B.C. Separate documents indicate that all claims are held under option by Westmin Resources Limited of Vancouver, B.C.

### 2.1 Mica-Hail Claim Group

The portion of the Mica-Hail property covered by this assessment report comprises 56 claims (Mica 1-46 and Hail 1-10). Following the 1993 work program, the claim group was enlarged by staking the Hail 11-18 and the Mica 47-52. At this time, the Hail claims now adjoin the Reid property to the east and the Ursus group lies approximately two claim lengths to the west.

| <u>Claim Name</u> | <u>Claim Numbers</u> | <u>Record Numbers</u> | <u>Record Date</u> | <u>Expiry Date</u> | <u>NTS</u> |
|-------------------|----------------------|-----------------------|--------------------|--------------------|------------|
| Mica              | 1 - 5                | YB28540-544           | 07/06/92           | 12/31/99*          | 106D/16    |
|                   | 6                    | YB28545               | 07/06/92           | 12/31/00*          | 106D/16    |
|                   | 7 - 12               | YB28546-551           | 07/06/92           | 12/31/99*          | 106D/16    |
|                   | 13                   | YB28552               | 07/06/92           | 12/31/00*          | 106D/16    |
|                   | 14 - 23              | YB28553-562           | 07/06/92           | 12/31/99*          | 106D/16    |
|                   | 24                   | YB28563               | 07/06/92           | 12/31/00*          | 106D/16    |
|                   | 25 - 32              | YB28851-858           | 08/24/92           | 12/31/99*          | 106D/16    |



|                                                                                                                                                                                                                                                                 |                  |        |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|--------|
| <b>WESTMIN RESOURCES LIMITED</b><br><b>FAIRCHILD PROJECT</b><br>MAYO MINING DISTRICT, YUKON TERRITORY<br>MICA 1 - 46, TVA 1 - 14, HAIL 1 - 18,<br>URSUS 1 - 14, REID 1 - 12 CLAIMS<br><b>CLAIM MAP</b><br>PAMICON DEVELOPMENTS LTD./<br>EQUITY ENGINEERING LTD. |                  |        |
| DRAWN                                                                                                                                                                                                                                                           | MINING DIST MAYO | FIGURE |
| N.T.S. 1060/16                                                                                                                                                                                                                                                  | SCALE As Shown   | 2      |
| DATE: December, 1993                                                                                                                                                                                                                                            | REVISED:         |        |

| <u>Claim Name</u> | <u>Record Numbers</u> | <u>Record Numbers</u> | <u>Expiry Date</u> | <u>Date</u> | <u>NTS</u> |
|-------------------|-----------------------|-----------------------|--------------------|-------------|------------|
| Hail              | 1 - 2                 | YB28564-565           | 07/06/92           | 12/31/99*   | 106D/16    |
|                   | 3 - 10                | YB28566-573           | 07/06/92           | 12/31/00*   | 106D/16    |
|                   | 11 - 18               | YB22503-510           | 08/24/93           | 08/24/94    | 106D/16    |

## 2.2 Reid Claims

Only those expenses incurred after the July 9, 1993 record date for the Reid 1-4 claims have been filed for assessment purposes. The Reid 5-104 claims were added in August and October 1993.

| <u>Claim Name</u> | <u>Claim Numbers</u> | <u>Record Numbers</u> | <u>Record Date</u> | <u>Expiry Date</u> | <u>NTS</u> |
|-------------------|----------------------|-----------------------|--------------------|--------------------|------------|
| Reid              | 1 - 4                | YB22347-350           | 07/09/93           | 12/31/95*          | 106D/16    |
|                   | 5 - 12               | YB22521-528           | 08/24/93           | 08/24/94           | 106D/16    |
|                   | 13 - 104             | YB22776-867           | 10/12/93           | 10/12/94           | 106D/16    |

## 2.3 TVA Claims

This report describes work completed on the TVA 1-4 claims. The property was expanded in August and October 1993 to include the TVA 5-22 which are now linked with the Ursus property to the south.

| <u>Claim Name</u> | <u>Claim Numbers</u> | <u>Record Numbers</u> | <u>Record Date</u> | <u>Expiry Date</u> | <u>NTS</u> |
|-------------------|----------------------|-----------------------|--------------------|--------------------|------------|
| TVA               | 1 - 4                | YB29130-133           | 10/19/92           | 12/31/97*          | 106D/16    |
|                   | 5 - 14               | YB22511-520           | 08/24/93           | 08/24/94           | 106D/16    |
|                   | 15 - 22              | YB42309-316           | 10/12/93           | 10/12/94           | 106D/16    |

## 2.4 Ursus Claims

The Ursus property comprises 14 claims while this report describes only that assessment work filed on the Ursus 1-7 and 13-14 claims. The Ursus 15-22 were added in October 1993 to protect favourable ground to the north.

| <u>Claim Name</u> | <u>Claim Numbers</u> | <u>Record Numbers</u> | <u>Record Date</u> | <u>Expiry Date</u> | <u>NTS</u> |
|-------------------|----------------------|-----------------------|--------------------|--------------------|------------|
| Ursus             | 1 - 7                | YB28528-534           | 07/06/92           | 12/31/98*          | 106D/16    |
|                   | 8 - 12               | YB28535-539           | 07/06/92           | 12/31/97*          | 106D/16    |
|                   | 13 - 14              | YB28968-969           | 09/14/92           | 12/31/98*          | 106D/16    |
|                   | 15 - 18              | YB42305-308           | 10/12/93           | 10/12/94           | 106D/16    |

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

### 3.0 LOCATION, ACCESS AND PHYSIOGRAPHY

The properties are located in the Wernecke Mountains of east central Yukon, approximately 168 kilometres north-northeast of Mayo (Figure 1). The claim group is located 20 kilometres west-southwest of Fairchild Lake and 20 kilometres north of Gillespie Lake about 10 kilometres south of the Bonnet Plume River valley. Coordinates for the centrally located Hail property are 64°54' north latitude and 134°10' 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 thence by helicopter 13 kilometres northeast to a basecamp established on Breccia Creek. All four properties lie within an 8 kilometre radius of the basecamp and were reached by helicopter.

The Wind River winter tote road originating near Elsa, was built through the project area during the 1950s 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 winter road was used by Pan Ocean Oil during their coal and uranium exploration program in 1979 and 1980.

Elevations on the four properties range from 915 to 2,100 metres above sea level and relief varies from moderate to steep to locally extreme.

Climate in the area is characterized by six months of cold winter and three to four months of warm to hot summer with May through early October the best months for exploration on the lower slopes of the property. Higher elevations are accessible June through September. The

average daily January and July temperatures for Mayo are  $-29^{\circ}\text{C}$  and  $15.2^{\circ}\text{C}$  with annual precipitation of 306.3 mm of which 40% is snow.

#### 4.0 PREVIOUS WORK

##### 4.1 Area History

The properties cover four Yukon Minfile occurrences (106D/16-52, /62, /79 and /89) and are respectively named the Ford, Gnuckle, Chieftain and Zelon (Appendix G).

The Ford occurrence, now covered by both the Ursus and TVA claims was first staked in 1969 as the CF claims by Cyprus Exploration Corp. for its copper showings. There is no record of any work having been completed. The area was restaked for its uranium potential as the Ursus claims in 1976 by Mountaineer Mines and optioned to Pan Ocean Oil Limited which explored with mapping, geochemistry, geophysics and hand trenching during the period 1977-80. These claims were allowed to lapse.

The Gnuckle occurrence, staked now as the TVA claims was first identified for its copper mineralization in 1968 by Cyprus, but was not staked until 1976 when Archer-Cathro acquired the property for its uranium potential for the Wernecke Joint Venture. Archer-Cathro completed mapping, soil sampling and radiometric surveys on the property later that year.

The Chieftain occurrences, now covered by the Mica-Hail-Reid claim group were first staked in 1976 by both Noranda and the Prism Syndicate for its uranium potential. Radiometric, magnetic and geological surveys were completed and helped to locate several uranium and copper showings. Texaco, perhaps testing the gold-copper potential, restaked the area in 1980 as the Hail and Adub claims. Mapping, trenching and sampling programs in 1981-82 located additional copper, cobalt and gold (up to 2.4 g/t Au) mineralization.

##### 4.2 1992 Exploration Program

During August and September 1992, Westmin Resources Limited carried out a preliminary exploration program on the Mica, Hail and Ursus claims consisting of lithogeochemical sampling, limited geological mapping and prospecting. A total of 1 chip sample, 85 grab samples, and 92 lithogeochemical samples was collected on the Mica-Hail group and 17 grabs and 46 lithogeochemical samples were taken from the Ursus property. Preliminary geological mapping was undertaken at 1:10000 scale. This work is described in detail in two separate assessment reports by D. Caulfield, Equity Engineering, dated December 1992.

## 5.0 1993 EXPLORATION PROGRAM

During the month of June 1993, Westmin Resources Ltd. carried out a field exploration program on the Mica, Hail, Reid, TVA, and Ursus properties consisting of preliminary geochemical, geological, prospecting, and geophysical survey work.

Rock sample sites were marked in the field by both flagging tape and inscribed aluminum tags. Samples were shipped to Chemex Labs of North Vancouver, B.C. for preparation and analyzed for gold-lanthanum plus 24-element ICP geochemistry. Analytical procedures, descriptive rock forms and a complete set of results for gold, lanthanum and 24-element ICP geochemistry may be found in Appendices D and E.

The statistical analyses and computer drafting were completed by Westmin Resources Limited.

For purposes of reporting, the text has been divided into the four properties and these are discussed separately.

### 5.1 Mica-Hail Claim Group

An exploration program comprising Induced Polarization and magnetic geophysical surveys, prospecting, lithogeochemical sampling and limited geological mapping was completed on the Mica 5, 11-13, 23, 25-27, 31 and 40 and Hail 3-6 claims during the period June 27 to 29, 1993 (11 mandays).

Limited geological mapping was completed at 1:10,000 scale during the course of lithogeochemical sampling. A total of 13 lithogeochemical and 14 geologists' and prospector's grab rock samples was taken. Three overlimit assays were performed for copper.

Induced polarization/resistivity (IP) and magnetometer (mag) surveys were completed in the Mica Creek valley by Scott Geophysics Ltd of Vancouver, B.C. IP and magnetic survey coverage totalled 2.1 km on three reconnaissance style lines. A geophysical report, including maps may be found in Appendix H.

### 5.2 Reid Claims

Work comprising limited 1:10000 geological mapping, prospecting and chip sampling was completed on the Reid 1-3 claims on June 27 and 29, 1993 (2 mandays). Field time was not applied for assessment credit. Only report writing and analytical work performed after the July 9, 1993 claims record date has been applied.

A total of 6 chip and 7 prospector and geologist's grab rock samples was taken. Three overlimit assays were performed for copper.

### 5.3 TVA Claims

A program comprising preliminary 1:10000 geological mapping, lithogeochemical sampling and prospecting was completed on the TVA 1-4 claims and in the immediate surrounding area on June 24, 1993 (3 mandays). A total of 19 lithogeochemical, 2 chip and 12 grab rock samples was taken. Two overlimit assays were performed for copper.

### 5.4 Ursus Claims

A one-half day visit by a geologist was made to the Ursus property on June 29, 1993 to sample a hematite breccia complex that was inaccessible in 1992 due to snow cover. Three grab rock samples were taken and one overlimit assay was performed for copper was completed.

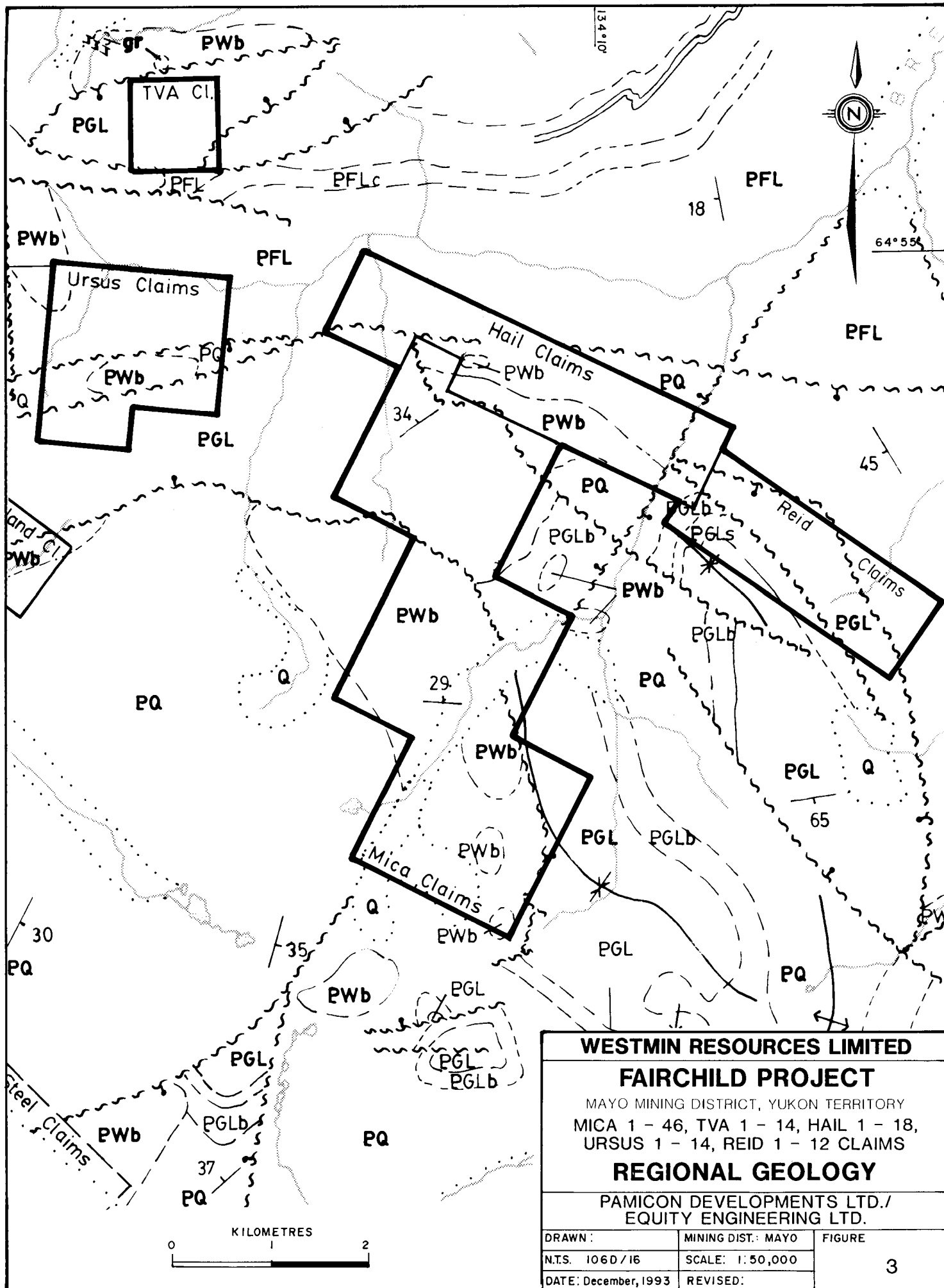
## **6.0 REGIONAL GEOLOGY**

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. Work in progress by Thorkelson and Wallace for 1:50,000 mapping of NTS 106/C13 is expected to be published in 1994 jointly by Yukon and Federal governments.

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

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



# 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  
 112 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

## 7.0 PROPERTY GEOLOGY

### 7.1 Mica-Hail Claim Group (Figure 4 or 5)

This section on geology is taken directly from Caulfield (1992a) with the only change being the use of updated 1993 lithological symbols and abbreviations.

The Mica property is underlain by folded and faulted Helikian Wernecke Supergroup sedimentary rocks that have been intruded by hematite breccias and minor mafic intrusives. The hematite breccias appeared to be spatially related to two major faults: a northeasterly trending fault parallel to the main creek valley and a west-northwesterly fault through the Hail claims. Wernecke Supergroup sediments include the Fairchild Lake (F), Quartet (Q) and Gillespie Lake (G) Groups.

The oldest rocks, members of the Fairchild Lake Group (Unit Fxx), are exposed north of the hematite breccia on the Hail claims. These rock units are thin-bedded, grey to green phyllites (Fph), siltstones (Fst) and mudstones (Fmt). Adjacent to the hematite breccias, the rock units are strongly foliated and altered by quartz and chlorite.

The Quartet Group fine-grained siliciclastics (Unit Qxx), consisting of shale, slate and phyllite, occur throughout the southern half of the property. The rock exposures weather a dull dark grey to black and include green siltstone and brown weathering sandstone. Outcrops of slate on the south end of the property are carbonaceous and some shale units contain 1% disseminated pyrite. The phyllite-breccia contact in the main creek valley is marked by warping and by chlorite-silica alteration.

The Gillespie Lake Group carbonates (Unit Gxx) trend through the unmapped area between the Hail and Mica hematite breccia complexes. The dolomite is bedded (5-50 cm.), orange weathering is locally cut by calcite veinlets. Silty partings and fissile shale members are sometimes interbedded with the dolomite.

The Wernecke Supergroup strata are cut by a number of irregular shaped hematite breccia bodies (Unit Bxx) that are spatially related to the major faults crosscutting the property. The Hail Breccia, measuring 2000 by 700 metres, is elongated along a west-northwest fault while the larger Mica Breccia, approximately 3000 by 2000 metres, is centred on a northeast fault. For mapping purposes, the breccias have been subdivided by clast lithology: homolithic, or one clast type (Unit Bhm) and heterolithic, containing more than one fragment type (Unit Bht). A greater percentage of the hematite breccias are of the latter type with the homolithic breccias restricted to the margin of the breccia bodies. The degree of fragmentation, alteration and rounding of clasts in the homolithic breccia increases into the core of the breccia body. The outer contact of the homolithic breccia is gradational into unaltered sediments in which bedding is warped and tightly folded suggesting forceful injection of the breccia. The brecciation at

its weakest point is reduced to a crackled phase exhibiting no rotation of fragments with specular hematite (<5%) and carbonate healing fractures. This phase commonly weathers a brown colour due to strong carbonate alteration. The inner contact between heterolithic and homolithic phases is normally very sharp. Homolithic breccia types seem to be restricted to the Quartet and Gillespie Lake Groups.

The heterolithic phase is characterized by its variable clast type and the varying degree of alteration in the clasts. The colour varies from a deep purplish red colour to pink. The breccias are matrix-supported with subrounded fragments ranging from 1.0 centimetre to 1.0 metre, but normally averaging less than 5 centimetres. The matrix consists of extremely milled fragments (<2-3 mm.) and specular hematite (5-30%). Other significant alteration minerals found in the matrix include silica, carbonate, chlorite and albite; clasts are altered to silica, red hematite and perhaps, potassium feldspar. The clasts include all rock types of the Wernecke Supergroup as well as rare feldspar porphyry intrusive and specular hematite clasts. A characteristic fragment type of both breccia bodies is a very hard, brick red "jasper". In the Mica Breccia, chlorite alteration and copper mineralization occur at the margin of the breccia with a silica-rich phase in the core.

A fine to medium grained, mafic rich intrusive unit was noted south of sample 546128. Malachite staining was noted to be prevalent on joint surfaces.

The most prominent structural features are the two major fault systems noted above. Both are extensive regional structures that can be traced in excess of 10 kilometres with a large apparent vertical displacement. Bedding orientations are different in each of the faulted domains and on an outcrop scale, bedding is disrupted adjacent to the hematite breccias. Large scale open folding has affected the Wernecke Supergroup as witnessed by the large syncline in dolomite units east of the Mica Breccia.

## 7.2 Reid Claims (Figure 4 or 5)

The Reid 1-4 claims are underlain by Quartet Group black siltstones and grey shales (Qxx) in contact with Gillespie Lake Group orange weathering dolomite (Gdo). Hematite breccia (Unit Bxx) intrude both sedimentary groups. This stratigraphic level of emplacement of breccias is commonly seen in the district at the Gillespie-Quartet transitional contact (Gdos). A regional scale, east-west trending fault that extends onto the Hail and Ursus claims passes through the Reid property. Gillespie dolomite bedding strikes southeasterly with steep dips to the northeast. Quartet rocks are moderately deformed, particularly in the showing area.

### 7.3 TVA Claims (Figure 6 or 7)

Preliminary geological mapping was undertaken on and in the TVA claims area and plotted at 1:10,000 scale. The property is underlain by complexly folded and faulted Wernecke Supergroup strata that has been intruded by hematite breccia and has locally been altered to metasomatites. The major impact of structure is emphasized by the juxtapositioning of all three members of the Supergroup outcropping in such a small area. Lithological descriptions of the Fairchild Lake, Quartet and Gillespie Lake Groups appear in detail in sections 7.1 and 7.4 of this report.

Heterolithic breccia (Bht) is the predominant type of the Wernecke breccia on the property. The unit is resistant weathering, mottled grey in colour and generally contains 80% clasts ranging in size from <1 cm to >30 cm. The majority of clasts are bright orange-red colour whose protolith may be either Quartet or Gillespie Lake strata. Chlorite and K-feldspar are the main alteration minerals present with lesser sericite, clay and carbonate. Specular hematite ranges from 3 to 5%. Breccia frequently grades into carbonate and chlorite rich metasomatites of unknown origin. Homolithic breccia occurs transitional between heterolithic breccia and unaltered sediments.

### 7.4 Ursus Claims (Figure 6 or 7)

This section on Ursus claims geology is taken from Caulfield (1992b).

The bulk of the Ursus property is underlain by Fairchild Lake Group sedimentary units that have been crosscut by heterolithic hematite breccia or associated carbonate-rich border phases. Along the southern boundary of the property, Fairchild Lake Group sediments lie in fault contact with Gillespie Lake Group dolomites.

The Fairchild Lake Group sediments (Unit Fxx) consist of light green laminated siltstone in the north fork of the main creek valley. In the direction of the south fork, the sedimentary units have undergone greater deformation and contortion, becoming phyllitic and exhibiting kink banding with folded quartz rods and crenulated cleavage. At the south end of the property, light to dark grey siltstone lies adjacent to the breccia bodies. On the south side of a major fault crossing the property, steeply dipping sandy dolomite beds of the Gillespie Lake Group (Unit Gxx) occur. The unit is thicker bedded adjacent to the fault and becomes thin-bedded and graded down section to the south. The displacement on this fault is considerable placing the lowest and highest members of the Wernecke Supergroup in contact.

Two areas of hematite breccia (Unit Bxx) occur on the property; each breccia body is cored by heterolithic breccia although border phase alteration assemblages are different in each case. The north breccia body is 100 metres wide in the northwest and narrows to the east before widening again. This breccia is clearly discordant, trending in a southeasterly direction and dipping moderately to the northeast. The heterolithic phase (Unit Bht) of the breccia has a

distinct pink colour due to pervasive hematization. Other alteration products include specular hematite, silica, chlorite and albite. The sediments adjacent to the breccia are silicified and contain minor specular hematite along fractures. However, where the breccia crosses the south fork of the creek, its hangingwall consists of a 5.0 metre wide zone of almost massive specular hematite. The silicification persists further out into the surrounding sediments where magnetite occurs at the expense of specular hematite.

The south breccia consists of two separate bodies. The main breccia is up to 200 metres wide and crudely parallels the east-west fault for at least 1100 metres. The breccia remains open to the east but cannot be followed across the creek valley to the west. Although the heterolithic breccia variety is present, carbonate (ankerite-siderite) alteration is very strong, occurring within border phase homolithic breccia (Unit Bhm) or in peripheral veins. The carbonate phases weather to buff and chocolate brown colours. The smaller breccia, approximately 45 metres wide, is poorly exposed on the slope dropping into the creek. This breccia is comprised of a silica-chlorite rich phase on the east side of the breccia and a pink heterolithic phase on the west side.

## 8.0 MINERALIZATION AND ROCK SAMPLING RESULTS

Lithogeochemical samples were taken approximately 100 metres apart, generally along contours where outcrop exposures and talus slopes were accessible for sampling. The purpose of these samples was to determine the tenure of copper mineralization as a bulk tonnage target and to determine geochemical trends within the hematite breccias and into the surrounding sedimentary rocks.

Results of 1992 work and excellent, detailed descriptive accounts of mineralization appear in Caulfield's Mica and Ursus reports (1992a and 1992b).

### 8.1 Mica-Hail Claim Group

Lithogeochemical sampling and prospecting work was carried out over previously unexplored areas of the Mica-Hail claim group. A total of 13 litho and 14 grab samples was collected over a four manday period. Sample locations and results for copper (Figure 4) and gold (Figure 5) appear on the accompanying maps. Other element results and descriptive rock forms may be found in the appendices of this report.

Significant fracture controlled copper mineralization across 200 m of talus and comprising bornite-chalcopryrite-malachite-azurite in altered metasediments was located in the western Hail claims area near the Mica 31 claim. Grab sample 545717 containing 1% bornite returned a value of 2.83% Cu and grab sample 545718 with semi massive chalcopryrite and 4% pyrrhotite ran 16.4% Cu, 455 ppb Au, >100 ppm Ag, 496 ppm Bi, 434 ppm Co, 572 ppm Ni, and >25% Fe.

Lithogeochemical sampling and prospecting in the west-central Mica and south-central Hail claims returned copper values ranging from 9 to 532 ppm on the Hail and 6 ppm to 1.34% on the Mica.

On the Mica 25 and 26 claims, a select grab sample (545710) of massive magnetite returned anomalous values of >10000 P, 430 ppm La, 1075 ppm V and >25% Fe. In the same area, chalcopyrite bearing breccia (545709) and altered metasediment (545711) lithogeochem samples returned anomalous values of 4379 and 1510 ppm Cu. An anomalous gold value of 100 ppb was reported from a litho sample (545712) of magnetite bearing metasediment. Two other anomalous gold values of 65 and 55 ppb correspond to high copper values of 6939 ppm and 1.34% in prospector grab samples 546132 (metasediments) and 546134 (hematite breccia) located on the ridge northwest of the 1992 camp site.

## 8.2 Reid Claims

Chip sampling and prospecting work was completed on the Reid 1-3 claims. A total of 6 chip and 7 select grabs was taken in this area of extreme topographical relief. Results are plotted for copper and gold on the same maps as listed above for the Mica-Hail group. Significant, structural controlled chalcopyrite-pyrite mineralization with anomalous silver and bismuth geochem values has been discovered at the Main showing as well as at other locations. The following table lists results from the 350° trending mineralized structural feature of the Main showing. All samples are from chalcopyrite-pyrite bearing quartz-carbonate veins in Quartet Group black clastic sediments, less than 25 m from the contact with Gillespie Lake Group dolomite.

| TAG NO. | LENGTH | TYPE | Cu    | Ag(ppm) | Bi(ppm) | Au(ppm) |
|---------|--------|------|-------|---------|---------|---------|
| 546135  | 4.0 m  | Chip | 1.63% | < 0.2   | < 2     | 30      |
| 546411  | 6.0 m  | Chip | 5.42% | 8.0     | 948     | 35      |
| 546412  | 6.0 m  | Chip | 4.38% | 5.8     | 114     | 25      |
| 546413  | 6.0 m  | Chip | 3155  | 11.0    | 1314    | 60      |

In addition to the above, four geologist's grab samples which are located on trend from 100 to 400 m to the southeast of the Main showing returned copper values ranging from 39 (546423) to 6807 ppm (546422). Prospecting to the north of the Main showing, led to the discovery of additional chalcopyrite-pyrite mineralization, again associated with quartz-carbonate veins in black Quartet Group siltstone. A structural feature trending 100° with steep north dips was chip sampled at two locations. Sample 546137, taken across a 2.5 m true thickness ran 7276 ppm Cu and 80 ppb Au while 20 m to the west, sample 546138 returned a lower copper value of 674 ppm across 1.0 m.

### 8.3 TVA Claims

Lithogeochemical sampling and prospecting work was carried out over the TVA 1-4 claims and adjoining areas. A total of 19 litho, 2 chip and 12 grab samples were collected over a three manday period. Sample locations and results for copper (Figure 6) and gold (Figure 7) appear on the accompanying maps. Other element results and descriptive rock forms may be found in the appendices of this report.

Earlier work by Pan Ocean identified several uranium and copper showings with associated gold and barium (Dick 1981). Work in 1993 relocated some of the copper showings and confirmed the associated anomalous gold and barium geochemical values. Copper values ranged from 2 ppm to 2.96% with 8 of 33 results >1000 ppm. Gold values ranged from <5 to 935 ppb with 7 of 33 values >100 ppb. In addition, the ICP work identified other anomalous elements including maximum values of 8.8 ppm for silver, 34 ppm for bismuth, 731 ppm for cobalt, >10,000 ppm for manganese, 323 ppm for molybdenum, 939 ppm for nickel, 3460 ppm for phosphorus, 3202 ppm for strontium and 1280 ppm for lanthanum.

A semi-massive to massive, 3.0 to 3.8 m thick hematite bed was traced in talus for over 400 m and corresponds with the 900 m long by 250 m wide alteration and mineral zone mapped by Pan Ocean in 1980. The unit trends 020° with steep westerly dips and is spatially associated with minor magnetite and weak chalcopyrite, barite, bornite, azurite and malachite mineralization. Sample 546017, a 0.7 m chip across the zone returned a value of 71 ppm Cu. About 300 m away to northeast a grab sample (546021) from the same mineralized feature, ran 7729 ppm Cu, 180 ppm Mo, 460 ppm La and 110 ppb Au. A third sample (546019), a select grab from a 026° trending, 2.0 m wide subparallel chalcopyrite-specularite zone was traced in subcrop for over 30 m and assayed 2.96% Cu and 935 ppb Au.

At the northeastern end of the alteration and mineral belt, 2 grab (545852, 853) and 2 chip (545854, 855) samples were collected from variably mineralized breccia and altered sediments containing chalcopyrite, specularite and magnetite. The grab samples returned respective values of 314 ppm Cu, 85 ppb Au and 3183 ppm Cu, 575 ppb Au, 731 ppm Co, 115 ppm Mo and 450 ppm La. Chip sample 545854, taken over a 3.0 m wide shear zone ran 1880 ppm Cu, 100 ppb Au and 350 ppm La. A second shear zone, sampled across 2.0 m returned values of 2.13% Cu, 215 ppb Au, and 34 ppm Bi (545855).

A second part of the claims area prospected and sampled corresponds with the Gnuckles Minfile occurrence. Grab sample 545862 from a carbonate rich heterolithic breccia with barite, specularite and chalcopyrite returned values of 2936 ppm Cu, 230 ppb Au, 2.4 ppm Ag, 323 ppm Mo and 3202 ppm Sr. The high strontium value may reflect the presence of celestite rather than barite. A sample (546123) of chalcopyrite, specularite, and magnetite bearing mineralized dolomite ran 8325 ppm Cu, 80 ppb Au, 279 ppm Co and >10,000 ppm Mn. A strongly pyritic shear zone located at the contact between dolomite and heterolithic breccia returned anomalous values of 600 ppb Au, 3.0 ppm Ag, 366 ppm Cr and 707 ppm V from sample number 546124.

#### 8.4 Ursus Claims

Only 3 grab samples, all containing chalcopyrite and hosted by either homolithic or heterolithic breccia were collected from the Ursus property. Sample sites and copper and gold values are plotted on Figures 6 and 7. Complete results and rock description forms may be found in the appendices.

The best result of 5.02% Cu and 255 ppb Au was obtained from a strongly carbonate and chlorite altered heterolithic breccia sample (545640). Two other grab samples (545638, 639) collected from homolithic breccia near the Gillespie Lake Group dolomite contact returned respective values of 2738 and 4335 ppm Cu.

#### **9.0 GEOPHYSICAL SURVEYS- MICA PROPERTY**

Induced Polarization and magnetic surveys were completed on three reconnaissance lines (4800N, 5000N, 5200N) on the Mica property by Scott Geophysics Ltd. of Vancouver. A copy of the geophysical report along with backup data may be found in the appendix. The location of the grid is plotted on Figure 4 or 5.

Magnetic data is generally flat as shown on the appended profile. Line 5000N shows the largest variation of magnetic gradient of only about 230 gammas over 25 m. Minimum and maximum readings for the entire survey are 58484 and 58794 gammas respectively.

IP surveys comprised three 750 m long lines, 200 m apart using a pole-dipole array, current-dipole separations from n=1 to 4 and an a-spacing of 75 m. High conductivity, difficulty with recording the data, and negative IP effects suggest that the Pagisteel fault may have been crossed and caused the spurious results. A moderate IP anomaly is outlined on line 5000N, coincident with the magnetic high.

#### **10.0 CONCLUSIONS AND RECOMMENDATIONS**

##### 10.1 Mica-Hail Claim Group

The Mica and Hail claims were staked to cover copper showings associated with hematite breccia bodies and adjoining, altered contact sedimentary rocks. The two main breccia complexes appear to have been emplaced along the axes of two major, deep-seated regional faults. Copper mineralization with minor associated gold and cobalt values in turn occurs proximal to these faults which trend north down the main Mica creek valley and easterly through the Hail-Reid-Ursus-TVA properties. Since these fault structures and the related breccia complexes are large and locally well mineralized, they represent excellent exploration targets for both Olympic Dam and other bulk tonnage copper deposits.

The next phase of work recommended for the Mica-Hail property is to complete grid based surveys including detailed mapping, soil geochemistry, rock sampling and geophysics over two or three of the best showing areas. Two areas suggested for evaluation are the Mica geophysical grid area and the western Hail claims near the Mica 31 claim boundary. All claims should be retained.

### 10.2 Reid Claims

The Reid 1-4 claims were staked to cover high grade copper mineralization associated with a major fault structure in an area of extreme topographical relief. A 6-metre chip sample across this zone returned a value of 5.42% Cu. Evidence from air photo interpretation suggests this feature continues for a considerable strike length is strong. In addition, several other copper showings were discovered on the property during the very brief exploration program. The stratigraphic setting of the showings at the Gillespie Lake Group transition zone along with the nearby presence of SEDEX hosted zinc-lead mineralization at the Cord prospect greatly enhances the prospective deposit types that may be found on the Reid claims.

The Reid property now consists of 104 claims and as such will require preliminary geological, geochemical, geophysical and prospecting surveys on the new ground. First pass work such as airborne geophysics and regional stream geochemistry could be followed up by prospecting, mapping and rock and soil sampling in targeted areas. Work on the high grade copper, Reid showing, should determine through mapping and sampling if adequate grade and size potential are present to warrant a first phase of diamond drilling. All claims should be retained.

### 10.3 TVA Claims

The TVA claims cover significant copper-gold mineralization in an area of considerable structural complexity. All three members of the Wernecke Supergroup outcrop along with hematite breccias and metasomatized sediments over a very small area. The presence of anomalous granophile elements such as molybdenum, lanthanum, strontium, uranium, manganese and silver in rock samples combined with government mapped (but unseen by Westmin workers) granites in the area enhance this property's exploration potential. The claims have some of the region's most consistent anomalous gold values. As a preliminary observation, these may be linked to the abundant magnetite present.

A modest grid controlled work program including mapping, soil sampling, ground geophysical surveys and rock sampling is required in order to determine the extent and tenor of copper-gold mineralization on the property. New claims staked in August and October 1993 will require additional preliminary exploration work. All claims should be retained.

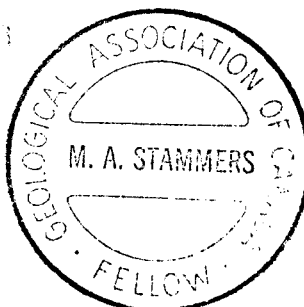
#### 10.4 Ursus Claims

The Ursus 1-14 claims were staked to cover known copper occurrences associated with hematite breccia bodies. Only one field day was spent examining the potential of the south breccia complex for hosting Olympic Dam type copper-gold-uranium-silver deposits. Copper mineralization occurs along a fault contact between Gillespie dolomites and homolithic breccia. The mineralization is generally erratic and limited to a zone less than 10 m wide. The potential of this zone appears limited in terms of hosting a bulk tonnage deposit. No further work is recommended at this time, however a preliminary examination of the Ursus 15-22 mineral claims that were staked in October 1993 is required. All claims should be retained until this evaluation and that of the adjoining TVA and nearby Hail claims is complete.

Respectfully submitted,



Michael A. Stammers,



**APPENDIX A**  
**BIBLIOGRAPHY**

## BIBLIOGRAPHY

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**APPENDIX B**  
**LIST OF PERSONNEL**

LIST OF PERSONNEL  
MICA/HAIL

David Caulfield (Sr. Geologist)  
#207 - 675 West Hastings Street  
Vancouver, B.C. V6B 1N2

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

Bruce McCall (Sampler)  
#711 - 675 West Hastings Street  
Vancouver, B.C. V6B 1N4

Shawn Dykes (Geologist)  
#711 - 675 West Hastings Street  
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Harlan Meade (Sr. Geologist)  
#904 - 1055 Dunsmuir Street  
Vancouver, B.C. V7X 1C4

LIST OF PERSONNEL  
TVA

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LIST OF PERSONNEL  
TVA

Michael Stammers, (Sr. Geologist)  
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Tom Bell (Sr. Prospector)  
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Murray Jones (Geologist)  
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LIST OF PERSONNEL  
URSUS

David Caulfield (Sr. Geologist)  
#207 - 675 West Hastings Street  
Vancouver, B.C. V6B 1N2

**APPENDIX C**  
**STATEMENT OF EXPENDITURES**

**STATEMENT OF EXPENDITURES**  
**MICA 1 - 46 / HAIL 1 - 10 MINERAL CLAIMS**

**CANADA** )     In the matter of an evaluation program on the  
          )     Mica 1 - 46 / Hail 1 - 10 Mineral Claims

I, Mike Stammers for Pamicon Developments Limited, #711 - 675 West Hastings Street, Vancouver, B.C. and Equity Engineering Ltd., #206 - 675 West Hastings Street, Vancouver, B.C. do solemnly declare that a program consisting of geological mapping, prospecting, lithogeochemistry and geophysical survey work was carried out on the Mica 1 - 46 / Hail 1 - 10 Mineral Claims during the period June 27 to 29, 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:**

|                      |                  |    |                 |
|----------------------|------------------|----|-----------------|
| D. Caulfield, P.Geo. | 1.5 days @ \$375 | \$ | 562.50          |
| T. Bell, Prospector  | 1.0 days @ \$250 |    | 250.00          |
| B. McCall, Sampler   | 1.0 days @ \$200 |    | 200.00          |
| S. Dykes, P.Geo.     | 2.0 days @ \$300 |    | 600.00          |
| H. Meade, P.Geo.     | 1.0 days @ \$375 |    | 375.00          |
| Prorated Wages       |                  |    | <u>1,277.38</u> |
|                      |                  |    | \$ 3,264.88     |

**EXPENSES:**

|                        |           |    |          |
|------------------------|-----------|----|----------|
| Helicopter:            | Direct    | \$ | 3,300.00 |
|                        | Prorated  |    | 435.00   |
|                        | Fuel      |    | 431.24   |
| Fixed Wing             |           |    | 1,053.48 |
| Travel & Accommodation |           |    | 351.13   |
| Airfare                |           |    | 79.66    |
| Camp Food              |           |    | 345.78   |
| Camp Fuel              |           |    | 12.80    |
| Camp Rental            |           |    | 328.75   |
| Rentals:               | Radios    |    | 50.76    |
|                        | Equipment |    | 41.25    |
|                        | Truck     |    | 112.34   |
| Field Supplies         |           |    | 139.66   |
| Freight                |           |    | 11.00    |
| Telephone              |           |    | 58.28    |
| Assays                 |           |    | 523.52   |
| Geophysical            |           |    | 1,830.71 |
| Reproductions          |           |    | 50.42    |

Statement of Expenditures

Page 2

Mica 1 - 46 / Hail 1 - 10 Mineral Claims

|                 |                  |                 |                  |
|-----------------|------------------|-----------------|------------------|
| Report:         | Pamicon & Equity | \$ 1,844.55     |                  |
|                 | Westmin          | 1,058.90        |                  |
| Management Fees |                  | <u>1,287.50</u> |                  |
|                 |                  |                 | <u>13,346.73</u> |

**TOTAL:** **\$ 16,611.61**

Notes:

1. Wages are based on actual man days spent on the property.
2. Helicopter charges and 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 many days allocated to each property.

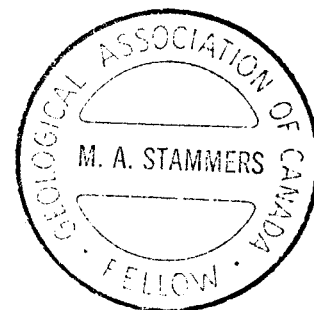
And I make this solemn declaration conscientiously believing it to be true and knowing that it is of the same force and effect as if made under oath and by virtue of the Canada Evidence Act.

Declared before me at Vancouver in  
the Province of British Columbia this

10 day of FEBRUARY, 19 94

)  
)  
)

*[Signature]*



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

# STATEMENT OF EXPENDITURES

## URSUS 1 - 7 / 13 - 14 MINERAL CLAIMS

**CANADA** ) In the matter of an evaluation program on the  
 ) Ursus 1 - 7 / 13 - 14 Mineral Claims

I, Mike Stammers for Pamicon Developments Limited, #711 - 675 West Hastings Street, Vancouver, B.C. and Equity Engineering Ltd., #206 - 675 West Hastings Street, Vancouver, B.C. do solemnly declare that a program consisting of geological evaluation and rock sampling work was carried out on the Ursus 1 - 7 / 13 - 14 Mineral Claims on June 29, 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:

|                      |                  |    |        |
|----------------------|------------------|----|--------|
| D. Caulfield, P.Geo. | 1.0 days @ \$375 | \$ | 187.50 |
| Prorated Wages       |                  |    | 191.60 |
|                      |                  | \$ | 379.10 |

### EXPENSES:

|                        |                  |        |                    |
|------------------------|------------------|--------|--------------------|
| Helicopter:            | Direct           | 180.00 |                    |
|                        | Prorated         | 65.25  |                    |
|                        | Fuel             | 64.69  |                    |
| Fixed Wing             |                  | 158.02 |                    |
| Travel & Accommodation |                  | 52.67  |                    |
| Airfare                |                  | 11.95  |                    |
| Camp Food              |                  | 51.87  |                    |
| Camp Fuel              |                  | 1.92   |                    |
| Camp Rental            |                  | 49.31  |                    |
| Rentals:               | Radios           | 7.61   |                    |
|                        | Equipment        | 6.19   |                    |
|                        | Truck            | 16.85  |                    |
| Field Supplies         |                  | 20.95  |                    |
| Freight                |                  | 1.65   |                    |
| Telephone              |                  | 8.74   |                    |
| Assays                 |                  | 70.71  |                    |
| Reproductions          |                  | 7.56   |                    |
| Report:                | Pamicon & Equity | 276.68 |                    |
|                        | Westmin          | 158.84 |                    |
| Management Fees        |                  | 193.13 |                    |
|                        |                  |        | 1,404.59           |
| <b>TOTAL:</b>          |                  |        | <b>\$ 1,783.69</b> |

Statement of Expenditures  
URSUS 1 - 7 / 13 - 14 Mineral Claims

Page 2

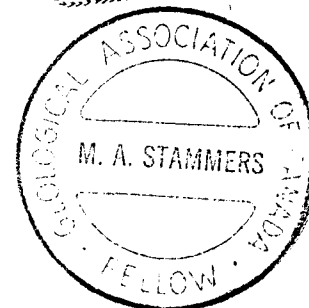
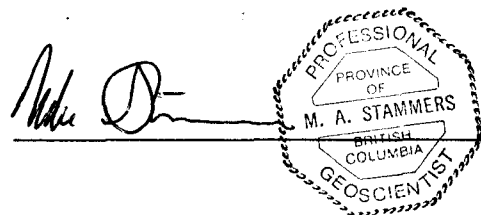
Notes:

1. Wages are based on actual man days spent on the property.
2. Helicopter charges and 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 many 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

## STATEMENT OF EXPENDITURES TVA 1 - 4 MINERAL CLAIMS

**CANADA** )      In the matter of an evaluation program on the  
          )      TVA 1 - 4 Mineral Claims

I, Mike Stammers for Pamicon Developments Limited, #711 - 675 West Hastings Street, Vancouver, B.C. and Equity Engineering Ltd., #206 - 675 West Hastings Street, Vancouver, B.C. do solemnly declare that a program consisting of geological mapping, lithogeochemical sampling and prospecting work was carried out on the TVA 1 - 4 Mineral Claims during the period June 24 and 25, 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:

|                     |                  |    |               |             |
|---------------------|------------------|----|---------------|-------------|
| M. Stammers, P.Geo. | 1.0 days @ \$375 | \$ | 375.00        |             |
| T. Bell, Prospector | 1.0 days @ \$250 |    | 250.00        |             |
| M. Jones, P.Geo.    | 1.0 days @ \$300 |    | 300.00        |             |
| Prorated Wages      |                  |    | <u>383.22</u> |             |
|                     |                  |    |               | \$ 1,308.22 |

### EXPENSES:

|                        |                  |               |                           |
|------------------------|------------------|---------------|---------------------------|
| Helicopter:            | Direct           | 180.00        |                           |
|                        | Prorated         | 130.50        |                           |
|                        | Fuel             | 129.37        |                           |
| Fixed Wing             |                  | 316.04        |                           |
| Travel & Accommodation |                  | 105.34        |                           |
| Airfare                |                  | 23.90         |                           |
| Camp Food              |                  | 103.73        |                           |
| Camp Fuel              |                  | 3.84          |                           |
| Camp Rental            |                  | 98.63         |                           |
| Rentals:               | Radios           | 15.23         |                           |
|                        | Equipment        | 12.38         |                           |
|                        | Truck            | 33.70         |                           |
| Field Supplies         |                  | 41.90         |                           |
| Freight                |                  | 3.30          |                           |
| Telephone              |                  | 17.49         |                           |
| Assays                 |                  | 631.12        |                           |
| Reproductions          |                  | 15.12         |                           |
| Report:                | Pamicon & Equity | 553.37        |                           |
|                        | Westmin          | 317.67        |                           |
| Management Fees        |                  | <u>386.25</u> |                           |
|                        |                  |               | <u>3,118.88</u>           |
| <b>TOTAL:</b>          |                  |               | <u><b>\$ 4,427.10</b></u> |

Statement of Expenditures  
TVA 1 - 4 Mineral Claims

Page 2

Notes:

1. Wages are based on actual man days spent on the property.
2. Helicopter charges and 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 many days allocated to each property.

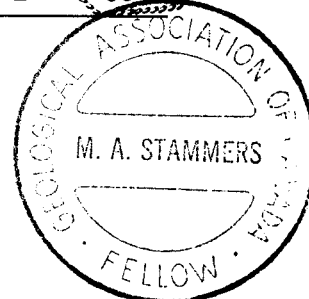
And I make this solemn declaration conscientiously believing it to be true and knowing that it is of the same force and effect as if made under oath and by virtue of the Canada Evidence Act.

Declared before me at Vancouver in  
the Province of British Columbia this

10 day of FEBRUARY, 1999

)  
)  
)

*M. A. Stammers*



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

Statement of Expenditures  
Reid 1 - 4 Mineral Claims

Page 2

**Note:** Fieldwork carried out prior to claim record date of the Reid 1 - 4 claims and has not been included in this Statement of Expenditures.

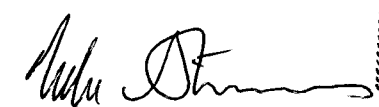
**Notes:**

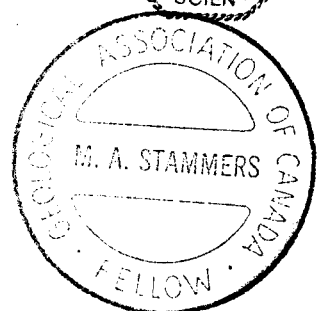
1. Wages are based on actual man days spent on the property.
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And I make this solemn declaration conscientiously believing it to be true and knowing that it is of the same force and effect as if made under oath and by virtue of the Canada Evidence Act.

Declared before me at Vancouver in  
the Province of British Columbia this

10 day of FEBRUARY, 19 94





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 | earthy hematite    | HS | specularite        |
| JA | jarosite           | KF | potassium feldspar |
| MC | malachite          | MG | magnetite          |
| MN | Mn-oxides          | MR | mariposite         |
| MS | muscovite/sericite | NE | neotocite          |
| PO | pyrrhotite         | PY | pyrite             |
| QZ | quartz             | SI | silica             |
| SP | sphalerite         | TT | tetrahedrite       |

### ALTERATION INTENSITIES

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

| <u>Claim Name</u> | <u>Record Numbers</u> | <u>Record Numbers</u> | <u>Expiry Date</u> | <u>Date</u> | <u>NTS</u> |
|-------------------|-----------------------|-----------------------|--------------------|-------------|------------|
| Hail              | 1 - 2                 | YB28564-565           | 07/06/92           | 12/31/99*   | 106D/16    |
|                   | 3 - 10                | YB28566-573           | 07/06/92           | 12/31/00*   | 106D/16    |
|                   | 11 - 18               | YB22503-510           | 08/24/93           | 08/24/94    | 106D/16    |

## 2.2 Reid Claims

Only those expenses incurred after the July 9, 1993 record date for the Reid 1-4 claims have been filed for assessment purposes. The Reid 5-104 claims were added in August and October 1993.

| <u>Claim Name</u> | <u>Claim Numbers</u> | <u>Record Numbers</u> | <u>Record Date</u> | <u>Expiry Date</u> | <u>NTS</u> |
|-------------------|----------------------|-----------------------|--------------------|--------------------|------------|
| Reid              | 1 - 4                | YB22347-350           | 07/09/93           | 12/31/95*          | 106D/16    |
|                   | 5 - 12               | YB22521-528           | 08/24/93           | 08/24/94           | 106D/16    |
|                   | 13 - 104             | YB22776-867           | 10/12/93           | 10/12/94           | 106D/16    |

## 2.3 TVA Claims

This report describes work completed on the TVA 1-4 claims. The property was expanded in August and October 1993 to include the TVA 5-22 which are now linked with the Ursus property to the south.

| <u>Claim Name</u> | <u>Claim Numbers</u> | <u>Record Numbers</u> | <u>Record Date</u> | <u>Expiry Date</u> | <u>NTS</u> |
|-------------------|----------------------|-----------------------|--------------------|--------------------|------------|
| TVA               | 1 - 4                | YB29130-133           | 10/19/92           | 12/31/97*          | 106D/16    |
|                   | 5 - 14               | YB22511-520           | 08/24/93           | 08/24/94           | 106D/16    |
|                   | 15 - 22              | YB42309-316           | 10/12/93           | 10/12/94           | 106D/16    |

## 2.4 Ursus Claims

The Ursus property comprises 14 claims while this report describes only that assessment work filed on the Ursus 1-7 and 13-14 claims. The Ursus 15-22 were added in October 1993 to protect favourable ground to the north.

Property : TVA

NTS : 106D/16

Date : JANUARY 20, 1994

|            |              |        |                      |       |              |                                                     |       |       |       |       |       |       |
|------------|--------------|--------|----------------------|-------|--------------|-----------------------------------------------------|-------|-------|-------|-------|-------|-------|
| Sample No. | UTM :        | N      | Type :               | Grab  | Alteration : | WCB, wKF                                            | Au    | Ag    | Co    | Cu    | La    | Mo    |
|            |              | E      | Strike Length Exp. : | >50 m | Metallics :  | None                                                | (ppb) | (ppm) | (ppm) | (ppm) | (ppm) | (ppm) |
| 545852     | Elevation:   | 1860 m | Sample Width :       | 2 m   | Secondaries: | mMN                                                 | 85.   | 0.4   | 61.   | 314.  | 90.   | 10.   |
|            | Orientation: | /      | True Width :         | m     | Host :       | Metasoma sediments - MN staining. HS Gillespie Lake |       |       |       |       |       |       |

Comments : Altered crackle brecciated? Sedimentized at copper zone on mountain.

|            |            |         |                      |        |              |                                          |       |       |       |       |       |       |
|------------|------------|---------|----------------------|--------|--------------|------------------------------------------|-------|-------|-------|-------|-------|-------|
| Sample No. | UTM :      | N       | Type :               | Select | Alteration : | None                                     | Au    | Ag    | Co    | Cu    | La    | Mo    |
|            |            | E       | Strike Length Exp. : | m      | Metallics :  | 1-2%CP, 10-20%HS, 1-2%MG                 | (ppb) | (ppm) | (ppm) | (ppm) | (ppm) | (ppm) |
| 545853     | Elevation: | 1855 m  | Sample Width :       | m      | Secondaries: | WER, wMC                                 | 575.  | 0.6   | 731.  | 3180. | 450.  | 115.  |
|            | Jointing : | 170 / ? | True Width :         | m      | Host :       | Mixed specular hematite within sediments |       |       |       |       |       |       |

Comments : Largely mixed fragment specular hematite with magnetite, approximately 1-2% chalcopyrite disseminated. Cobalt bloom noted, though minor.

|            |            |             |                      |      |              |                         |       |       |       |       |       |       |
|------------|------------|-------------|----------------------|------|--------------|-------------------------|-------|-------|-------|-------|-------|-------|
| Sample No. | UTM :      | N           | Type :               | Chip | Alteration : | wMS                     | Au    | Ag    | Co    | Cu    | La    | Mo    |
|            |            | E           | Strike Length Exp. : | 15 m | Metallics :  | tr-1%CP, 5-10%HS, 1%MG  | (ppb) | (ppm) | (ppm) | (ppm) | (ppm) | (ppm) |
| 545854     | Elevation: | 1850 m      | Sample Width :       | 3 m  | Secondaries: | wMC                     | 100.  | <0.2  | 157.  | 1880. | 350.  | 18.   |
|            | Faulting : | 025 / 70 NW | True Width :         | 3 m  | Host :       | Gillespie Lake dolomite |       |       |       |       |       |       |

Comments : Small shear zone.

|            |            |             |                      |      |              |                                     |       |       |       |       |       |       |
|------------|------------|-------------|----------------------|------|--------------|-------------------------------------|-------|-------|-------|-------|-------|-------|
| Sample No. | UTM :      | N           | Type :               | Chip | Alteration : | w?BI, wCL                           | Au    | Ag    | Co    | Cu    | La    | Mo    |
|            |            | E           | Strike Length Exp. : | 15 m | Metallics :  | 1-3%CP, 2-5%HS                      | (ppb) | (ppm) | (ppm) | (ppm) | (ppm) | (ppm) |
| 545855     | Elevation: | 1835 m      | Sample Width :       | 2 m  | Secondaries: | wGE, wMC, mMN                       | 215.  | <0.2  | 71.   | 2.13% | 70.   | 58.   |
|            | Faulting : | 135 / 50 NE | True Width :         | 2 m  | Host :       | Gillespie Lake - argillite bedding? |       |       |       |       |       |       |

Comments : Strong copper lichen, small isolated shear zone.

|            |              |        |                      |        |              |                    |       |       |       |       |       |       |
|------------|--------------|--------|----------------------|--------|--------------|--------------------|-------|-------|-------|-------|-------|-------|
| Sample No. | UTM :        | N      | Type :               | Grab   | Alteration : | None               | Au    | Ag    | Co    | Cu    | La    | Mo    |
|            |              | E      | Strike Length Exp. : | >100 m | Metallics :  | None               | (ppb) | (ppm) | (ppm) | (ppm) | (ppm) | (ppm) |
| 545856     | Elevation:   | 1835 m | Sample Width :       | 2 m    | Secondaries: | None               | 25.   | <0.2  | 84.   | 321.  | 70.   | 4.    |
|            | Orientation: | /      | True Width :         | m      | Host :       | Gillespie dolomite |       |       |       |       |       |       |

Comments : Weakly argillaceous sediments.

|            |              |          |                      |      |              |                        |       |       |       |       |       |       |
|------------|--------------|----------|----------------------|------|--------------|------------------------|-------|-------|-------|-------|-------|-------|
| Sample No. | UTM :        | N        | Type :               | Grab | Alteration : | None                   | Au    | Ag    | Co    | Cu    | La    | Mo    |
|            |              | E        | Strike Length Exp. : | 10 m | Metallics :  | None                   | (ppb) | (ppm) | (ppm) | (ppm) | (ppm) | (ppm) |
| 545857     | Elevation:   | 1820 m   | Sample Width :       | 3 m  | Secondaries: | wGE                    | <5    | 0.1   | 3.    | 54.   | 40.   | 2.    |
|            | Orientation: | 065 / 90 | True Width :         | 3 m  | Host :       | Black cherty argillite |       |       |       |       |       |       |

Comments : Amongst Gillespie Lake rocks.

|            |              |        |                      |        |              |                             |       |       |       |       |       |       |
|------------|--------------|--------|----------------------|--------|--------------|-----------------------------|-------|-------|-------|-------|-------|-------|
| Sample No. | UTM :        | N      | Type :               | Grab   | Alteration : | mCB                         | Au    | Ag    | Co    | Cu    | La    | Mo    |
|            |              | E      | Strike Length Exp. : | >100 m | Metallics :  | trPY                        | (ppb) | (ppm) | (ppm) | (ppm) | (ppm) | (ppm) |
| 545858     | Elevation:   | 1815 m | Sample Width :       | 2 m    | Secondaries: | None                        | <5    | <0.2  | 5.    | 29.   | <10   | 2.    |
|            | Orientation: | /      | True Width :         | m      | Host :       | Brecciated cherty sediments |       |       |       |       |       |       |

Comments : Carbonate matrix is rusty weathering.

|            |            |             |                      |        |              |                            |       |       |       |       |       |       |
|------------|------------|-------------|----------------------|--------|--------------|----------------------------|-------|-------|-------|-------|-------|-------|
| Sample No. | UTM :      | N           | Type :               | Grab   | Alteration : | mCB                        | Au    | Ag    | Co    | Cu    | La    | Mo    |
|            |            | E           | Strike Length Exp. : | >100 m | Metallics :  | None                       | (ppb) | (ppm) | (ppm) | (ppm) | (ppm) | (ppm) |
| 545859     | Elevation: | 1800 m      | Sample Width :       | 2 m    | Secondaries: | None                       | <5    | 0.2   | 14.   | 19.   | <10   | <1    |
|            | Bedding :  | 038 / 62 NW | True Width :         | 2 m    | Host :       | Interbedded chert/dolomite |       |       |       |       |       |       |

Comments :

|            |              |            |                      |      |              |                                        |       |       |       |       |       |       |
|------------|--------------|------------|----------------------|------|--------------|----------------------------------------|-------|-------|-------|-------|-------|-------|
| Sample No. | UTM :        | N          | Type :               | Grab | Alteration : | wQZ                                    | Au    | Ag    | Co    | Cu    | La    | Mo    |
|            |              | E          | Strike Length Exp. : | 15 m | Metallics :  | None                                   | (ppb) | (ppm) | (ppm) | (ppm) | (ppm) | (ppm) |
| 545860     | Elevation:   | 1770 m     | Sample Width :       | 5 m  | Secondaries: | sGE                                    | <5    | <0.2  | 6.    | 21.   | <10   | <1    |
|            | Orientation: | 176 / 76 W | True Width :         | 5 m  | Host :       | Contact of Gillespie and Quartet Group |       |       |       |       |       |       |

Comments : Recessive, gossanous weathering zone at contact includes shattered quartz vein.

|            |              |        |                      |        |              |                                   |       |       |       |       |       |       |
|------------|--------------|--------|----------------------|--------|--------------|-----------------------------------|-------|-------|-------|-------|-------|-------|
| Sample No. | UTM :        | N      | Type :               | Grab   | Alteration : | None                              | Au    | Ag    | Co    | Cu    | La    | Mo    |
|            |              | E      | Strike Length Exp. : | >100 m | Metallics :  | None                              | (ppb) | (ppm) | (ppm) | (ppm) | (ppm) | (ppm) |
| 545861     | Elevation:   | 1755 m | Sample Width :       | 2 m    | Secondaries: | wGE                               | <5    | 0.2   | 6.    | 151.  | 60.   | 1.    |
|            | Orientation: | /      | True Width :         | m      | Host :       | Black shale - argillite - Quartet |       |       |       |       |       |       |

Comments :

|            |              |        |                      |        |              |                                                        |       |       |       |       |       |       |
|------------|--------------|--------|----------------------|--------|--------------|--------------------------------------------------------|-------|-------|-------|-------|-------|-------|
| Sample No. | UTM :        | N      | Type :               | Select | Alteration : | sCL                                                    | Au    | Ag    | Co    | Cu    | La    | Mo    |
|            |              | E      | Strike Length Exp. : | m      | Metallics :  | 1-3%CP, 10-20%HS, 2-5%BA                               | (ppb) | (ppm) | (ppm) | (ppm) | (ppm) | (ppm) |
| 545862     | Elevation:   | 1590 m | Sample Width :       | m      | Secondaries: | None                                                   | 230.  | 2.4   | 23.   | 2940. | 320.  | 323.  |
|            | Orientation: | /      | True Width :         | m      | Host :       | Heterolithic breccia, largely carbonate + HS in matrix |       |       |       |       |       |       |

Comments : Possibly moving from carbonate - hematite breccia.

|            |              |        |                      |        |              |                                               |       |       |       |       |       |       |
|------------|--------------|--------|----------------------|--------|--------------|-----------------------------------------------|-------|-------|-------|-------|-------|-------|
| Sample No. | UTM :        | N      | Type :               | Select | Alteration : | sCB, mSI                                      | Au    | Ag    | Co    | Cu    | La    | Mo    |
|            |              | E      | Strike Length Exp. : | m      | Metallics :  | tr-1%CP, HS?, 1-2%PY                          | (ppb) | (ppm) | (ppm) | (ppm) | (ppm) | (ppm) |
| 545863     | Elevation:   | 1385 m | Sample Width :       | m      | Secondaries: | wMC                                           | 20.   | 1.2   | 119.  | 66.   | 180.  | 22.   |
|            | Orientation: | /      | True Width :         | m      | Host :       | Gossan/leached carbonate matrix breccia-PY CP |       |       |       |       |       |       |

Comments : Coarse sideritic carbonate.

Property : TVA

NTS : 106D/16

Date : JANUARY 20, 1994

|            |              |        |                      |        |              |                         |       |       |       |       |       |       |
|------------|--------------|--------|----------------------|--------|--------------|-------------------------|-------|-------|-------|-------|-------|-------|
| Sample No. | UTM :        | N      | Type :               | Select | Alteration : | None                    | Au    | Ag    | Co    | Cu    | La    | Mo    |
|            |              | E      | Strike Length Exp. : | m      | Metallics :  | 5%PY                    | (ppb) | (ppm) | (ppm) | (ppm) | (ppm) | (ppm) |
| 545864     | Elevation:   | 1385 m | Sample Width :       | m      | Secondaries: | None                    | 25.   | 1.2   | 137.  | 67.   | 270.  | 63.   |
|            | Orientation: | /      | True Width :         | m      | Host :       | Silicified microbreccia |       |       |       |       |       |       |

Comments : Fine-grained hematite siliceous clasts as remnants.

|            |              |   |                      |       |              |                                             |       |       |       |       |       |       |
|------------|--------------|---|----------------------|-------|--------------|---------------------------------------------|-------|-------|-------|-------|-------|-------|
| Sample No. | UTM :        | N | Type :               | Float | Alteration : | mCL, wQZ                                    | Au    | Ag    | Co    | Cu    | La    | Mo    |
|            |              | E | Strike Length Exp. : | m     | Metallics :  | 20%PY                                       | (ppb) | (ppm) | (ppm) | (ppm) | (ppm) | (ppm) |
| 545865     | Elevation:   |   | Sample Width :       | m     | Secondaries: | None                                        | <5    | 0.4   | 222.  | 325.  | 30.   | 17.   |
|            | Orientation: | / | True Width :         | m     | Host :       | Chloritic breccia - siliceous clasts common |       |       |       |       |       |       |

Comments : Float, well up hill from 545864.

|            |              |        |                      |      |              |                      |       |       |       |       |       |       |
|------------|--------------|--------|----------------------|------|--------------|----------------------|-------|-------|-------|-------|-------|-------|
| Sample No. | UTM :        | N      | Type :               | Grab | Alteration : | wCB, mCL, mKF        | Au    | Ag    | Co    | Cu    | La    | Mo    |
|            |              | E      | Strike Length Exp. : | m    | Metallics :  | 3%HS                 | (ppb) | (ppm) | (ppm) | (ppm) | (ppm) | (ppm) |
| 546014     | Elevation:   | 1710 m | Sample Width :       | m    | Secondaries: | wGE                  | <5    | <0.2  | 18.   | 3.    | 20.   | <1    |
|            | Orientation: | /      | True Width :         | m    | Host :       | Heterolithic breccia |       |       |       |       |       |       |

Comments : Some metasomatite zones.

|            |              |        |                      |      |              |                      |       |       |       |       |       |       |
|------------|--------------|--------|----------------------|------|--------------|----------------------|-------|-------|-------|-------|-------|-------|
| Sample No. | UTM :        | N      | Type :               | Grab | Alteration : | wCB, mCL, mKF, wMS   | Au    | Ag    | Co    | Cu    | La    | Mo    |
|            |              | E      | Strike Length Exp. : | m    | Metallics :  | 2%HS                 | (ppb) | (ppm) | (ppm) | (ppm) | (ppm) | (ppm) |
| 546015     | Elevation:   | 1752 m | Sample Width :       | m    | Secondaries: | wGE                  | <5    | <0.2  | 17.   | 2.    | 10.   | 3.    |
|            | Orientation: | /      | True Width :         | m    | Host :       | Heterolithic breccia |       |       |       |       |       |       |

Comments :

|            |              |        |                      |      |              |               |       |       |       |       |       |       |
|------------|--------------|--------|----------------------|------|--------------|---------------|-------|-------|-------|-------|-------|-------|
| Sample No. | UTM :        | N      | Type :               | Grab | Alteration : | wCB, mCL, mKF | Au    | Ag    | Co    | Cu    | La    | Mo    |
|            |              | E      | Strike Length Exp. : | m    | Metallics :  | 3%HS          | (ppb) | (ppm) | (ppm) | (ppm) | (ppm) | (ppm) |
| 546016     | Elevation:   | 1800 m | Sample Width :       | m    | Secondaries: | wGE, wHE      | <5    | <0.2  | 13.   | 6.    | 10.   | 2.    |
|            | Orientation: | /      | True Width :         | m    | Host :       |               |       |       |       |       |       |       |

Comments : Note: increased KF near to contact with material in next sample.

|            |              |            |                      |        |              |                           |       |       |       |       |       |       |
|------------|--------------|------------|----------------------|--------|--------------|---------------------------|-------|-------|-------|-------|-------|-------|
| Sample No. | UTM :        | N          | Type :               | Chip   | Alteration : | wAB?                      | Au    | Ag    | Co    | Cu    | La    | Mo    |
|            |              | E          | Strike Length Exp. : | 400+ m | Metallics :  | 75%HS, <1%MG              | (ppb) | (ppm) | (ppm) | (ppm) | (ppm) | (ppm) |
| 546017     | Elevation:   | 1830 m     | Sample Width :       | 0.7 m  | Secondaries: | wGE                       | 10.   | <0.2  | 27.   | 71.   | 310.  | 25.   |
|            | Bedd/vn/fau: | 020 / 78 W | True Width :         | 0.7 m  | Host :       | Massive specular hematite |       |       |       |       |       |       |

Comments : Part of 400m long massive HS +/- MG. Unit averages 3m wide. Upper contact is sheared and weakly CP/MC mineralized.

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|------------|--------------|--------|----------------------|------|--------------|-------------------------|-------|-------|-------|-------|-------|-------|
| Sample No. | UTM :        | N      | Type :               | Grab | Alteration : | sCB, wMS, M?AB          | Au    | Ag    | Co    | Cu    | La    | Mo    |
|            |              | E      | Strike Length Exp. : | m    | Metallics :  | 1%HS                    | (ppb) | (ppm) | (ppm) | (ppm) | (ppm) | (ppm) |
| 546018     | Elevation:   | 1842 m | Sample Width :       | m    | Secondaries: | None                    | <5    | <0.2  | 31.   | 6.    | 10.   | 1.    |
|            | Orientation: | /      | True Width :         | m    | Host :       | Metasomatized sediments |       |       |       |       |       |       |

Comments : Brown blocky grey weathering, cross cut by calcite/quartz veinlets and fracture fillings. CF insipient breccia.

|            |              |            |                      |             |              |                      |       |       |       |       |       |       |
|------------|--------------|------------|----------------------|-------------|--------------|----------------------|-------|-------|-------|-------|-------|-------|
| Sample No. | UTM :        | N          | Type :               | Select/grab | Alteration : | sCL                  | Au    | Ag    | Co    | Cu    | La    | Mo    |
|            |              | E          | Strike Length Exp. : | 30+ m       | Metallics :  | 3%CP, 20%HS          | (ppb) | (ppm) | (ppm) | (ppm) | (ppm) | (ppm) |
| 546019     | Elevation:   | 1835 m     | Sample Width :       | m           | Secondaries: | sGE, sHE             | 935.  | <0.2  | 239.  | 2.96% | 570.  | 62.   |
|            | Vein/fault : | 026 / 70 W | True Width :         | m           | Host :       | Sheared metasomatite |       |       |       |       |       |       |

Comments : Mineralized zone up to 2.0m wide. Sulphides lensey/poddy in metasediments. Note: increase in mineralization to west.

|            |            |            |                      |      |              |               |       |       |       |       |       |       |
|------------|------------|------------|----------------------|------|--------------|---------------|-------|-------|-------|-------|-------|-------|
| Sample No. | UTM :      | N          | Type :               | Grab | Alteration : | sCB, wCL, wMS | Au    | Ag    | Co    | Cu    | La    | Mo    |
|            |            | E          | Strike Length Exp. : | m    | Metallics :  | 2%HS, 4%MG    | (ppb) | (ppm) | (ppm) | (ppm) | (ppm) | (ppm) |
| 546020     | Elevation: | 1828 m     | Sample Width :       | m    | Secondaries: | mGE           | <5    | <0.2  | 117.  | 170.  | 50.   | 7.    |
|            | Bedding :  | 016 / 75 W | True Width :         | m    | Host :       | Metasomatite  |       |       |       |       |       |       |

Comments :

|            |              |            |                      |        |              |                           |       |       |       |       |       |       |
|------------|--------------|------------|----------------------|--------|--------------|---------------------------|-------|-------|-------|-------|-------|-------|
| Sample No. | UTM :        | N          | Type :               | Select | Alteration : | None                      | Au    | Ag    | Co    | Cu    | La    | Mo    |
|            |              | E          | Strike Length Exp. : | 400+ m | Metallics :  | <1%CP, 70%HS, 5%MG        | (ppb) | (ppm) | (ppm) | (ppm) | (ppm) | (ppm) |
| 546021     | Elevation:   | 1830 m     | Sample Width :       | 20 cm  | Secondaries: | mGE, wMC                  | 110.  | 0.4   | 59.   | 7730. | 460.  | 180.  |
|            | Bedding/vn : | 015 / 80 W | True Width :         | 3.8 m  | Host :       | Massive specular hematite |       |       |       |       |       |       |

Comments : Chalcopyrite is spotty to rare.

|            |              |        |                      |      |              |                                |       |       |       |       |       |       |
|------------|--------------|--------|----------------------|------|--------------|--------------------------------|-------|-------|-------|-------|-------|-------|
| Sample No. | UTM :        | N      | Type :               | Grab | Alteration : | mC, sKF                        | Au    | Ag    | Co    | Cu    | La    | Mo    |
|            |              | E      | Strike Length Exp. : | m    | Metallics :  | trCP, 10%HS, 20%MG             | (ppb) | (ppm) | (ppm) | (ppm) | (ppm) | (ppm) |
| 546022     | Elevation:   | 1852 m | Sample Width :       | m    | Secondaries: | sGE, trMC                      | 20.   | <0.2  | 45.   | 828.  | 1280. | 83.   |
|            | Orientation: | /      | True Width :         | m    | Host :       | Semi-massive magnetite/breccia |       |       |       |       |       |       |

Comments : Hosted by metasomatites, heterolithic/homolithic breccia.

|            |              |        |                      |      |              |                      |       |       |       |       |       |       |
|------------|--------------|--------|----------------------|------|--------------|----------------------|-------|-------|-------|-------|-------|-------|
| Sample No. | UTM :        | N      | Type :               | Grab | Alteration : | sCL, mKF             | Au    | Ag    | Co    | Cu    | La    | Mo    |
|            |              | E      | Strike Length Exp. : | m    | Metallics :  | 2%HS                 | (ppb) | (ppm) | (ppm) | (ppm) | (ppm) | (ppm) |
| 546023     | Elevation:   | 1780 m | Sample Width :       | m    | Secondaries: | trMC                 | <5    | <0.2  | 21.   | 424.  | 90.   | 2.    |
|            | Orientation: | /      | True Width :         | m    | Host :       | Heterolithic breccia |       |       |       |       |       |       |

Comments :

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|------------|--------------|--------|--------|----------------------|--------------|--------------|----------------------|-------|-------|-------|-------|-------|
| Sample No. | UTM :        | N      | Type : | Float                | Alteration : | mCB, SMS     | Au                   | Ag    | Co    | Cu    | La    | Mo    |
|            |              | E      |        | Strike Length Exp. : | Talus m      |              | (ppb)                | (ppm) | (ppm) | (ppm) | (ppm) | (ppm) |
| 546024     | Elevation:   | 1745 m |        | Sample Width :       | m            | Metallics :  | <5                   | <0.2  | 14.   | 15.   | 10.   | 1.    |
|            | Orientation: | /      |        | True Width :         | m            | Secondaries: | None                 |       |       |       |       |       |
|            |              |        |        |                      |              | Host :       | Heterolithic breccia |       |       |       |       |       |

Comments :

|            |              |        |        |                      |              |               |                    |       |       |       |       |       |
|------------|--------------|--------|--------|----------------------|--------------|---------------|--------------------|-------|-------|-------|-------|-------|
| Sample No. | UTM :        | N      | Type : | Float/talus          | Alteration : | mCB, mKF, SMS | Au                 | Ag    | Co    | Cu    | La    | Mo    |
|            |              | E      |        | Strike Length Exp. : | m            |               | (ppb)              | (ppm) | (ppm) | (ppm) | (ppm) | (ppm) |
| 546025     | Elevation:   | 1690 m |        | Sample Width :       | m            | Metallics :   | 35.                | <0.2  | 28.   | 177.  | 20.   | 7.    |
|            | Orientation: | /      |        | True Width :         | m            | Secondaries:  | None               |       |       |       |       |       |
|            |              |        |        |                      |              | Host :        | Homolithic breccia |       |       |       |       |       |

Comments : Note barite.

|            |              |         |        |                      |              |              |         |       |       |       |       |       |
|------------|--------------|---------|--------|----------------------|--------------|--------------|---------|-------|-------|-------|-------|-------|
| Sample No. | UTM :        | N       | Type : | Grab                 | Alteration : | SMS, sSI     | Au      | Ag    | Co    | Cu    | La    | Mo    |
|            |              | E       |        | Strike Length Exp. : | 30 m         |              | (ppb)   | (ppm) | (ppm) | (ppm) | (ppm) | (ppm) |
| 546120     | Elevation:   | 4800 ft |        | Sample Width :       | 2 m          | Metallics :  | <5      | 8.8   | 12.   | 22.   | 20.   | <1    |
|            | Orientation: | 220 / ? |        | True Width :         | 3 m          | Secondaries: | mJA     |       |       |       |       |       |
|            |              |         |        |                      |              | Host :       | Breccia |       |       |       |       |       |

Comments : Random grab from breccia outcrop exposed in moss on sidehill.

|            |              |         |        |                      |              |              |         |       |       |       |       |       |
|------------|--------------|---------|--------|----------------------|--------------|--------------|---------|-------|-------|-------|-------|-------|
| Sample No. | UTM :        | N       | Type : | Grab                 | Alteration : | SMS, sSI     | Au      | Ag    | Co    | Cu    | La    | Mo    |
|            |              | E       |        | Strike Length Exp. : | m            |              | (ppb)   | (ppm) | (ppm) | (ppm) | (ppm) | (ppm) |
| 546121     | Elevation:   | 4800 ft |        | Sample Width :       | 2 m          | Metallics :  | <5      | 5.8   | 84.   | 753.  | 50.   | 3.    |
|            | Orientation: | /       |        | True Width :         | ? m          | Secondaries: | mJA     |       |       |       |       |       |
|            |              |         |        |                      |              | Host :       | Breccia |       |       |       |       |       |

Comments : All breccia in creek bank.

|            |              |         |        |                      |              |              |          |       |       |       |       |       |
|------------|--------------|---------|--------|----------------------|--------------|--------------|----------|-------|-------|-------|-------|-------|
| Sample No. | UTM :        | N       | Type : | Float                | Alteration : | None         | Au       | Ag    | Co    | Cu    | La    | Mo    |
|            |              | E       |        | Strike Length Exp. : | m            |              | (ppb)    | (ppm) | (ppm) | (ppm) | (ppm) | (ppm) |
| 546122     | Elevation:   | 4975 ft |        | Sample Width :       | m            | Metallics :  | <5       | <0.2  | 15.   | 1415. | <10   | <1    |
|            | Orientation: | /       |        | True Width :         | m            | Secondaries: | sHE      |       |       |       |       |       |
|            |              |         |        |                      |              | Host :       | Dolomite |       |       |       |       |       |

Comments : Finely disseminated chalcopyrite and pyrite. Taken from one rock in talus.

|            |              |         |        |                      |              |              |          |       |       |       |       |       |
|------------|--------------|---------|--------|----------------------|--------------|--------------|----------|-------|-------|-------|-------|-------|
| Sample No. | UTM :        | N       | Type : | Float                | Alteration : | None         | Au       | Ag    | Co    | Cu    | La    | Mo    |
|            |              | E       |        | Strike Length Exp. : | m            |              | (ppb)    | (ppm) | (ppm) | (ppm) | (ppm) | (ppm) |
| 546123     | Elevation:   | 4900 ft |        | Sample Width :       | m            | Metallics :  | 80.      | <0.2  | 279.  | 8330  | <10   | 31.   |
|            | Orientation: | /       |        | True Width :         | m            | Secondaries: | sHE, sJA |       |       |       |       |       |
|            |              |         |        |                      |              | Host :       | Dolomite |       |       |       |       |       |

Comments : Found in talus in contact between specular hematite breccia and dolomites. Lots of this material in talus below cliffs.

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|            |              |         |                      |      |              |                    |       |       |       |       |       |       |
|------------|--------------|---------|----------------------|------|--------------|--------------------|-------|-------|-------|-------|-------|-------|
| Sample No. | UTM :        | N       | Type :               | Grab | Alteration : | sCL, mCY           | Au    | Ag    | Co    | Cu    | La    | Mo    |
|            |              | E       | Strike Length Exp. : | m    | Metallics :  | 1-2%HS, 20-25%PY   | (ppb) | (ppm) | (ppm) | (ppm) | (ppm) | (ppm) |
| 546124     | Elevation:   | 4890 ft | Sample Width :       | m    | Secondaries: | sGE, sHE, sJA, sMN | 600.  | 3.0   | 77.   | 129.  | 250.  | 54.   |
|            | Orientation: | /       | True Width :         | m    | Host :       | Dolomites          |       |       |       |       |       |       |

Comments : Taken from subcrop on contact between specular hematite breccia and dolomites. Also boxwork texture in sample.

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|            |              |         |                      |              |              |                            |       |       |       |       |       |       |
|------------|--------------|---------|----------------------|--------------|--------------|----------------------------|-------|-------|-------|-------|-------|-------|
| Sample No. | UTM :        | N       | Type :               | Grab/Subcrop | Alteration : | CB                         | Au    | Ag    | Co    | Cu    | La    | Mo    |
|            |              | E       | Strike Length Exp. : | m            | Metallics :  | >1%CP, 1-2%HS, 10%MG, 2%PY | (ppb) | (ppm) | (ppm) | (ppm) | (ppm) | (ppm) |
| 546125     | Elevation:   | 4950 ft | Sample Width :       | m            | Secondaries: | sGE, sHE, sJA, sMN         | 10.   | <0.2  | 62.   | 355.  | 30.   | 31.   |
|            | Orientation: | 60 / ?  | True Width :         | m            | Host :       | Dolomites                  |       |       |       |       |       |       |

Comments : Subcrop in contact zone - about 3m wide.

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|            |              |         |                      |              |              |               |       |       |       |       |       |       |
|------------|--------------|---------|----------------------|--------------|--------------|---------------|-------|-------|-------|-------|-------|-------|
| Sample No. | UTM :        | N       | Type :               | Grab/Subcrop | Alteration : | sCY           | Au    | Ag    | Co    | Cu    | La    | Mo    |
|            |              | E       | Strike Length Exp. : | m            | Metallics :  | 60-70%PY      | (ppb) | (ppm) | (ppm) | (ppm) | (ppm) | (ppm) |
| 546126     | Elevation:   | 4950 ft | Sample Width :       | m            | Secondaries: | sGE, sHE, sJA | 50.   | 1.6   | 31.   | 100.  | 370.  | 47.   |
|            | Orientation: | 60 / ?  | True Width :         | m            | Host :       | Dolomites     |       |       |       |       |       |       |

Comments : Subcrop in contact zone beside 546125.

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|            |              |         |        |                            |              |                |       |       |       |       |       |       |
|------------|--------------|---------|--------|----------------------------|--------------|----------------|-------|-------|-------|-------|-------|-------|
| Sample No. | UTM :        | N       | Type : | Chip                       | Alteration : | sCB, sQZ       | Au    | Ag    | Bi    | Co    | Cu    | Ni    |
|            |              | E       |        | Strike Length Exp. : 3-4 m | Metallics :  | 1-2%CP, >1%PY  | (ppb) | (ppm) | (ppm) | (ppm) | (ppm) | (ppm) |
| 546135     | Elevation:   | 5400 ft |        | Sample Width : 4 m         | Secondaries: | sHE, sJA, mMC  | 30.   | <0.2  | <2    | 112.  | 1.63% | 82.   |
|            | Orientation: | 350 /   |        | True Width : 5 m           | Host :       | Dark sediments |       |       |       |       |       |       |

Comments : Not a real good chip, very rotten and precarious.

|            |              |         |        |                        |              |                 |       |       |       |       |       |       |
|------------|--------------|---------|--------|------------------------|--------------|-----------------|-------|-------|-------|-------|-------|-------|
| Sample No. | UTM :        | N       | Type : | Float                  | Alteration : | sCB             | Au    | Ag    | Bi    | Co    | Cu    | Ni    |
|            |              | E       |        | Strike Length Exp. : m | Metallics :  | >1%CP, 1%PY     | (ppb) | (ppm) | (ppm) | (ppm) | (ppm) | (ppm) |
| 546136     | Elevation:   | 5600 ft |        | Sample Width : m       | Secondaries: | mAZ, sJA, mMC   | 10.   | <0.2  | <2    | 16.   | 4760. | 30.   |
|            | Orientation: | /       |        | True Width : m         | Host :       | Black siltstone |       |       |       |       |       |       |

Comments : Talus from chute above.

|            |              |             |        |                              |              |                         |       |       |       |       |       |       |
|------------|--------------|-------------|--------|------------------------------|--------------|-------------------------|-------|-------|-------|-------|-------|-------|
| Sample No. | UTM :        | N           | Type : | Chip                         | Alteration : | sCB, wMS                | Au    | Ag    | Bi    | Co    | Cu    | Ni    |
|            |              | E           |        | Strike Length Exp. : 10-15 m | Metallics :  | >1%CP, 1%PY             | (ppb) | (ppm) | (ppm) | (ppm) | (ppm) | (ppm) |
| 546137     | Elevation:   | 5475 ft     |        | Sample Width : 2.5 m         | Secondaries: | mAZ, sGE, sHE, sJA, mMC | 80.   | 0.4   | <2    | 24.   | 7280. | 24.   |
|            | Orientation: | 105 / 65 NE |        | True Width : 2.5 m           | Host :       | Black siltstone         |       |       |       |       |       |       |

Comments :

|            |              |         |        |                              |              |                    |       |       |       |       |       |       |
|------------|--------------|---------|--------|------------------------------|--------------|--------------------|-------|-------|-------|-------|-------|-------|
| Sample No. | UTM :        | N       | Type : | Chip                         | Alteration : | sCB, mQZ           | Au    | Ag    | Bi    | Co    | Cu    | Ni    |
|            |              | E       |        | Strike Length Exp. : 15-20 m | Metallics :  | >1%CP, >1%PY       | (ppb) | (ppm) | (ppm) | (ppm) | (ppm) | (ppm) |
| 546138     | Elevation:   | 5400 ft |        | Sample Width : 1 m           | Secondaries: | wGE, sHE, sJA, wMC | <5    | <0.2  | <2    | 30.   | 674.  | 27.   |
|            | Orientation: | 100 / V |        | True Width : 1-2 m           | Host :       | Black siltstone    |       |       |       |       |       |       |

Comments :

|            |              |        |        |                        |              |               |       |       |       |       |       |       |
|------------|--------------|--------|--------|------------------------|--------------|---------------|-------|-------|-------|-------|-------|-------|
| Sample No. | UTM :        | N      | Type : | Float                  | Alteration : | sCB           | Au    | Ag    | Bi    | Co    | Cu    | Ni    |
|            |              | E      |        | Strike Length Exp. : m | Metallics :  | 1%CP, >1%PY   | (ppb) | (ppm) | (ppm) | (ppm) | (ppm) | (ppm) |
| 546139     | Elevation:   | 5475 m |        | Sample Width : m       | Secondaries: | sGE, sJA, sMC | 25.   | <0.2  | <2    | 53.   | 8450. | 20.   |
|            | Orientation: | /      |        | True Width : m         | Host :       |               |       |       |       |       |       |       |

Comments :

|            |              |   |        |                        |              |                  |       |       |       |       |       |       |
|------------|--------------|---|--------|------------------------|--------------|------------------|-------|-------|-------|-------|-------|-------|
| Sample No. | UTM :        | N | Type : | Float                  | Alteration : | None             | Au    | Ag    | Bi    | Co    | Cu    | Ni    |
|            |              | E |        | Strike Length Exp. : m | Metallics :  | trCP, 10-20%HS   | (ppb) | (ppm) | (ppm) | (ppm) | (ppm) | (ppm) |
| 546140     | Elevation:   |   |        | Sample Width : m       | Secondaries: | None             | 15.   | <0.2  | <2    | 25.   | 204.  | 12.   |
|            | Orientation: | / |        | True Width : m         | Host :       | Hematite breccia |       |       |       |       |       |       |

Comments :

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|------------|--------------|---------|------------------------|--------------|-----------------------------|-------|-------|-------|-------|-------|-------|
| Sample No. | UTM :        | N       | Type : Chip            | Alteration : | sCL, mSI                    | Au    | Ag    | Bi    | Co    | Cu    | Ni    |
|            |              | E       | Strike Length Exp. : m | Metallics :  | 10+CP, 1-2PY                | (ppb) | (ppm) | (ppm) | (ppm) | (ppm) | (ppm) |
| 546411     | Elevation:   | 5700 ft | Sample Width : 6 m     | Secondaries: | trAZ, sHE, mMC              | 35.   | 8.0   | 948.  | 436.  | 5.42% | 481.  |
|            | Vein/fault : | /       | True Width : m         | Host :       | Chloritic Quartet sediments |       |       |       |       |       |       |

Comments : HW samples of mineralized zone, chloritic Quartet sediments.

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|            |              |         |                           |              |                                |       |       |       |       |       |       |
|------------|--------------|---------|---------------------------|--------------|--------------------------------|-------|-------|-------|-------|-------|-------|
| Sample No. | UTM :        | N       | Type : Grab               | Alteration : | sCL, mGR                       | Au    | Ag    | Bi    | Co    | Cu    | Ni    |
|            |              | E       | Strike Length Exp. : 20 m | Metallics :  | 1%CP                           | (ppb) | (ppm) | (ppm) | (ppm) | (ppm) | (ppm) |
| 546412     | Elevation:   | 5700 ft | Sample Width : 6.0 m      | Secondaries: | trAZ, sHE, WMC                 | 25.   | 5.8   | 114.  | 180.  | 4.38% | 250.  |
|            | Orientation: | /       | True Width : 6.0 m        | Host :       | Sheared and folded grey shales |       |       |       |       |       |       |

Comments : Reid Showing. Grab sample across zone consecutive to sample 546411.

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|            |              |         |                        |              |                                |       |       |       |       |       |       |
|------------|--------------|---------|------------------------|--------------|--------------------------------|-------|-------|-------|-------|-------|-------|
| Sample No. | UTM :        | N       | Type : Chip            | Alteration : | sCL, mGR                       | Au    | Ag    | Bi    | Co    | Cu    | Ni    |
|            |              | E       | Strike Length Exp. : m | Metallics :  | 1%CP                           | (ppb) | (ppm) | (ppm) | (ppm) | (ppm) | (ppm) |
| 546413     | Elevation:   | 5700 ft | Sample Width : 6.0 m   | Secondaries: | trAZ, sHE, WMC                 | 60.   | 11.0  | 1314. | 89.   | 3160. | 139.  |
|            | Orientation: | /       | True Width : 6.0 m     | Host :       | Sheared and folded grey shales |       |       |       |       |       |       |

Comments : Contiguous to 546411 on FW side.

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|            |              |            |                        |              |                          |       |       |       |       |       |       |
|------------|--------------|------------|------------------------|--------------|--------------------------|-------|-------|-------|-------|-------|-------|
| Sample No. | UTM :        | N          | Type : Grab            | Alteration : | sCA, sQZ                 | Au    | Ag    | Bi    | Co    | Cu    | Ni    |
|            |              | E          | Strike Length Exp. : m | Metallics :  | 2%CP, 1%PY               | (ppb) | (ppm) | (ppm) | (ppm) | (ppm) | (ppm) |
| 546422     | Elevation:   | 1740 m     | Sample Width : m       | Secondaries: | sHE, sMC                 | 10.   | <0.2  | <2    | 28.   | 6810. | 112.  |
|            | Orientation: | 000 / 20 E | True Width : m         | Host :       | Metasiltstone of Quartet |       |       |       |       |       |       |

Comments : Upper showing, mainly quartz-carbonate flooding in argillite with fine to medium-grained patchy chalcopyrite and some pyrite; also numerous late barren quartz-carbonate veins. Cut off upslope by flat fractures.

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|            |              |        |                        |              |                                              |       |       |       |       |       |       |
|------------|--------------|--------|------------------------|--------------|----------------------------------------------|-------|-------|-------|-------|-------|-------|
| Sample No. | UTM :        | N      | Type : Grab            | Alteration : | None                                         | Au    | Ag    | Bi    | Co    | Cu    | Ni    |
|            |              | E      | Strike Length Exp. : m | Metallics :  | trPY                                         | (ppb) | (ppm) | (ppm) | (ppm) | (ppm) | (ppm) |
| 546423     | Elevation:   | 1790 m | Sample Width : m       | Secondaries: | None                                         | <5    | <0.2  | 6.    | 10.   | 39.   | 17.   |
|            | Orientation: | /      | True Width : m         | Host :       | Black argillite with rusty weathered surface |       |       |       |       |       |       |

Comments : Some very fine-grained pyrite disseminated. A few quartz carbonate veinlets; no malachite.

-----

|            |              |        |                        |              |                                       |       |       |       |       |       |       |
|------------|--------------|--------|------------------------|--------------|---------------------------------------|-------|-------|-------|-------|-------|-------|
| Sample No. | UTM :        | N      | Type : Grab            | Alteration : | None                                  | Au    | Ag    | Bi    | Co    | Cu    | Ni    |
|            |              | E      | Strike Length Exp. : m | Metallics :  | tr-1/2%CP                             | (ppb) | (ppm) | (ppm) | (ppm) | (ppm) | (ppm) |
| 546424     | Elevation:   | 1840 m | Sample Width : m       | Secondaries: | WMC                                   | <5    | <0.2  | 2.    | 19.   | 1180. | 13.   |
|            | Orientation: | /      | True Width : 10+ m     | Host :       | Quartz vein zone with vuggy carbonate |       |       |       |       |       |       |

Comments :

Property : REID

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|            |              |        |                      |      |              |                     |       |       |       |       |       |       |
|------------|--------------|--------|----------------------|------|--------------|---------------------|-------|-------|-------|-------|-------|-------|
| Sample No. | UTM :        | N      | Type :               | Grab | Alteration : | None                | Au    | Ag    | Bi    | Co    | Cu    | Ni    |
|            |              | E      | Strike Length Exp. : | m    | Metallics :  | None                | (ppb) | (ppm) | (ppm) | (ppm) | (ppm) | (ppm) |
| 546425     | Elevation:   | 1785 m | Sample Width :       | m    | Secondaries: | WAZ, WER, SGE, WMC  | <5    | 0.8   | 44.   | 263.  | 574.  | 154.  |
|            | Orientation: | /      | True Width :         | m    | Host :       | Gossanous argillite |       |       |       |       |       |       |

Comments : Brecciated with quartz - carbonate flooding; yellow-green siderite.

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Property : HAIL

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|            |              |         |        |                            |              |                               |       |       |       |       |       |       |
|------------|--------------|---------|--------|----------------------------|--------------|-------------------------------|-------|-------|-------|-------|-------|-------|
| Sample No. | UTM :        | N       | Type : | Float                      | Alteration : | sCB, wKF                      | Au    | Ag    | Co    | Cu    | La    | Ni    |
|            |              | E       |        | Strike Length Exp. : >50 m | Metallics :  | 7-10%HS                       | (ppb) | (ppm) | (ppm) | (ppm) | (ppm) | (ppm) |
| 545632     | Elevation:   | 5300 ft |        | Sample Width : 3x5 m       | Secondaries: | None                          | <5    | <0.2  | 11.   | 34.   | <10   | 14.   |
|            | Orientation: | /       |        | True Width : m             | Host :       | Heterolithic hematite breccia |       |       |       |       |       |       |

Comments : Composite sample of heaved subcrop at top of ridge line. Carbonate-rich breccia.

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|            |              |         |        |                            |              |                               |       |       |       |       |       |       |
|------------|--------------|---------|--------|----------------------------|--------------|-------------------------------|-------|-------|-------|-------|-------|-------|
| Sample No. | UTM :        | N       | Type : | Float                      | Alteration : | sCB, wKF                      | Au    | Ag    | Co    | Cu    | La    | Ni    |
|            |              | E       |        | Strike Length Exp. : >50 m | Metallics :  | 7%HS                          | (ppb) | (ppm) | (ppm) | (ppm) | (ppm) | (ppm) |
| 545633     | Elevation:   | 5350 ft |        | Sample Width : 10 m        | Secondaries: | None                          | <5    | <0.2  | 20.   | 17.   | <10   | 19.   |
|            | Orientation: | /       |        | True Width : m             | Host :       | Heterolithic hematite breccia |       |       |       |       |       |       |

Comments : 100m up ridge from 545632. Composite sample of heaved subcrop of carbonate-rich breccia.

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|            |              |         |        |                          |              |                              |       |       |       |       |       |       |
|------------|--------------|---------|--------|--------------------------|--------------|------------------------------|-------|-------|-------|-------|-------|-------|
| Sample No. | UTM :        | N       | Type : | Float                    | Alteration : | w-mCB                        | Au    | Ag    | Co    | Cu    | La    | Ni    |
|            |              | E       |        | Strike Length Exp. : 5 m | Metallics :  | 2%HS                         | (ppb) | (ppm) | (ppm) | (ppm) | (ppm) | (ppm) |
| 545634     | Elevation:   | 5390 ft |        | Sample Width : 10 m      | Secondaries: | None                         | <5    | <0.2  | 13.   | 9.    | 20.   | 24.   |
|            | Orientation: | /       |        | True Width : m           | Host :       | Light to dark grey siltstone |       |       |       |       |       |       |

Comments : Composite grab of talus across 10m.

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|            |              |         |        |                            |              |                                              |       |       |       |       |       |       |
|------------|--------------|---------|--------|----------------------------|--------------|----------------------------------------------|-------|-------|-------|-------|-------|-------|
| Sample No. | UTM :        | N       | Type : | Float                      | Alteration : | mCB, vwKF                                    | Au    | Ag    | Co    | Cu    | La    | Ni    |
|            |              | E       |        | Strike Length Exp. : >50 m | Metallics :  | 5%HS                                         | (ppb) | (ppm) | (ppm) | (ppm) | (ppm) | (ppm) |
| 545635     | Elevation:   | 5450 ft |        | Sample Width : 10 m        | Secondaries: | trMC                                         | 10.   | <0.2  | 38.   | 532.  | <10   | 22.   |
|            | Orientation: | /       |        | True Width : m             | Host :       | Heterolithic and homolithic hematite breccia |       |       |       |       |       |       |

Comments : Contact area between hematite breccia and Quartet Group siliciclastics.

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|            |              |         |        |                           |              |                               |       |       |       |       |       |       |
|------------|--------------|---------|--------|---------------------------|--------------|-------------------------------|-------|-------|-------|-------|-------|-------|
| Sample No. | UTM :        | N       | Type : | Float                     | Alteration : | sCB, mKF                      | Au    | Ag    | Co    | Cu    | La    | Ni    |
|            |              | E       |        | Strike Length Exp. : 10 m | Metallics :  | 5%HS                          | (ppb) | (ppm) | (ppm) | (ppm) | (ppm) | (ppm) |
| 545636     | Elevation:   | 5500 ft |        | Sample Width : 10 m       | Secondaries: | None                          | <5    | <0.2  | 23.   | 17.   | 40.   | 16.   |
|            | Orientation: | /       |        | True Width : m            | Host :       | Heterolithic hematite breccia |       |       |       |       |       |       |

Comments :

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|            |              |         |        |                           |              |                               |       |       |       |       |       |       |
|------------|--------------|---------|--------|---------------------------|--------------|-------------------------------|-------|-------|-------|-------|-------|-------|
| Sample No. | UTM :        | N       | Type : | Grab                      | Alteration : | sCB, w-mKF                    | Au    | Ag    | Co    | Cu    | La    | Ni    |
|            |              | E       |        | Strike Length Exp. : 10 m | Metallics :  | trCP, 3-5%HS                  | (ppb) | (ppm) | (ppm) | (ppm) | (ppm) | (ppm) |
| 545637     | Elevation:   | 5650 ft |        | Sample Width : 5.0 m      | Secondaries: | trMC                          | <5    | <0.2  | 24.   | 179.  | 70.   | 16.   |
|            | Orientation: | /       |        | True Width : 5.0 m        | Host :       | Heterolithic hematite breccia |       |       |       |       |       |       |

Comments :

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|            |              |        |                      |      |              |                                              |       |       |       |       |       |       |
|------------|--------------|--------|----------------------|------|--------------|----------------------------------------------|-------|-------|-------|-------|-------|-------|
| Sample No. | UTM :        | N      | Type :               | Grab | Alteration : | WCL, KF, WMS, WQZ                            | Au    | Ag    | Co    | Cu    | La    | Ni    |
|            |              | E      | Strike Length Exp. : | m    | Metallics :  | trCP, 1-2%HS, trPY                           | (ppb) | (ppm) | (ppm) | (ppm) | (ppm) | (ppm) |
| 546408     | Elevation:   | 1565 m | Sample Width :       | m    | Secondaries: | trMC                                         | <5    | <0.2  | 15.   | 393.  | 10.   | 100.  |
|            | Orientation: | /      | True Width :         | m    | Host :       | Red hematite heterolithic breccia - very red |       |       |       |       |       |       |

Comments : Rib of brick red feldspathic, heterolithic breccia. Disseminated specular hematite, no magnetite. Locally moderately chloritic. Very little sulphides.

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|            |              |        |                      |      |              |                                 |       |       |       |       |       |       |
|------------|--------------|--------|----------------------|------|--------------|---------------------------------|-------|-------|-------|-------|-------|-------|
| Sample No. | UTM :        | N      | Type :               | Grab | Alteration : | CL                              | Au    | Ag    | Co    | Cu    | La    | Ni    |
|            |              | E      | Strike Length Exp. : | m    | Metallics :  | trCP, 5%PY                      | (ppb) | (ppm) | (ppm) | (ppm) | (ppm) | (ppm) |
| 546409     | Elevation:   | 1560 m | Sample Width :       | m    | Secondaries: | None                            | <5    | 0.6   | 47.   | 52.   | 10.   | 27.   |
|            | Orientation: | /      | True Width :         | 2 m  | Host :       | Rusty with heterolithic breccia |       |       |       |       |       |       |

Comments : Rusty spine in centre of cirque. Au? content +/- cobalt; fine disseminated pyrite; platy shear fabric.

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|            |              |        |                      |      |              |                                                      |       |       |       |       |       |       |
|------------|--------------|--------|----------------------|------|--------------|------------------------------------------------------|-------|-------|-------|-------|-------|-------|
| Sample No. | UTM :        | N      | Type :               | Grab | Alteration : | sCB, sKF                                             | Au    | Ag    | Co    | Cu    | La    | Ni    |
|            |              | E      | Strike Length Exp. : | m    | Metallics :  | trCP, 2%HS, trPY                                     | (ppb) | (ppm) | (ppm) | (ppm) | (ppm) | (ppm) |
| 546410     | Elevation:   | 1470 m | Sample Width :       | m    | Secondaries: | trMC                                                 | <5    | <0.2  | 23.   | 302.  | <10   | 14.   |
|            | Orientation: | /      | True Width :         | m    | Host :       | Heterolithic breccia - monolithic breccia of Quartet |       |       |       |       |       |       |

Comments : Dark blue-grey calcite siltstone with siderite veins. On edge of heterolithic breccia; occasional pink fragments, numerous late carbonate specular hematite veinlets. 60m further along and 15m lower than 548374.

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|            |              |        |                      |       |              |                               |       |       |       |       |       |       |
|------------|--------------|--------|----------------------|-------|--------------|-------------------------------|-------|-------|-------|-------|-------|-------|
| Sample No. | UTM :        | N      | Type :               | Float | Alteration : | wKF                           | Au    | Ag    | Co    | Cu    | Pb    | Zn    |
|            |              | E      | Strike Length Exp. : | m     | Metallics :  | 2%MG                          | (ppb) | (ppm) | (ppm) | (ppm) | (ppm) | (ppm) |
| 545709     | Elevation:   | 1650 m | Sample Width :       | m     | Secondaries: | 1%HE                          | 35.   | 1.8   | 29.   | 4380. | <2    | 20.   |
|            | Orientation: | /      | True Width :         | m     | Host :       | Heterolithic-hematite breccia |       |       |       |       |       |       |

Comments : One piece found with malachite staining and disseminated chalcopyrite in matrix.

|            |              |        |                      |       |              |                   |       |       |       |       |       |       |
|------------|--------------|--------|----------------------|-------|--------------|-------------------|-------|-------|-------|-------|-------|-------|
| Sample No. | UTM :        | N      | Type :               | Float | Alteration : | None              | Au    | Ag    | Co    | Cu    | Pb    | Zn    |
|            |              | E      | Strike Length Exp. : | m     | Metallics :  | 60%MG             | (ppb) | (ppm) | (ppm) | (ppm) | (ppm) | (ppm) |
| 545710     | Elevation:   | 1650 m | Sample Width :       | m     | Secondaries: | None              | <5    | <0.2  | 58.   | 74.   | <2    | 56.   |
|            | Orientation: | /      | True Width :         | m     | Host :       | Massive magnetite |       |       |       |       |       |       |

Comments : Trace copper staining on breccia boulders.

|            |              |        |                      |       |              |                       |       |       |       |       |       |       |
|------------|--------------|--------|----------------------|-------|--------------|-----------------------|-------|-------|-------|-------|-------|-------|
| Sample No. | UTM :        | N      | Type :               | Float | Alteration : | sCL                   | Au    | Ag    | Co    | Cu    | Pb    | Zn    |
|            |              | E      | Strike Length Exp. : | m     | Metallics :  | trCP, trMG, trPY      | (ppb) | (ppm) | (ppm) | (ppm) | (ppm) | (ppm) |
| 545711     | Elevation:   | 1645 m | Sample Width :       | m     | Secondaries: | trMC                  | <5    | <0.2  | 72.   | 1510. | <2    | 14.   |
|            | Orientation: | /      | True Width :         | m     | Host :       | Chlorite metasediment |       |       |       |       |       |       |

Comments : Only 0.1% breccia in scree, all sediment. Chlorite with minor magnetite, trace chlcopyrite and rare malachite stain.

|            |              |            |                      |       |              |                                    |       |       |       |       |       |       |
|------------|--------------|------------|----------------------|-------|--------------|------------------------------------|-------|-------|-------|-------|-------|-------|
| Sample No. | UTM :        | N          | Type :               | Grab  | Alteration : | sCL                                | Au    | Ag    | Co    | Cu    | Pb    | Zn    |
|            |              | E          | Strike Length Exp. : | 150 m | Metallics :  | 1%MG, trPY                         | (ppb) | (ppm) | (ppm) | (ppm) | (ppm) | (ppm) |
| 545712     | Elevation:   |            | Sample Width :       | 2.0 m | Secondaries: | None                               | 100.  | <0.2  | 35.   | 36.   | <2    | 4.    |
|            | Orientation: | 080 / 45 W | True Width :         | 2.0 m | Host :       | Chlorite metasediment near breccia |       |       |       |       |       |       |

Comments : Locally patchy fine-grained magnetite, also irregular ankerite patches with magnetite, specular hematite.

|            |              |        |                      |       |              |                  |       |       |       |       |       |       |
|------------|--------------|--------|----------------------|-------|--------------|------------------|-------|-------|-------|-------|-------|-------|
| Sample No. | UTM :        | N      | Type :               | Float | Alteration : | mCA, sCL         | Au    | Ag    | Co    | Cu    | Pb    | Zn    |
|            |              | E      | Strike Length Exp. : | m     | Metallics :  | 1%MG, trPY       | (ppb) | (ppm) | (ppm) | (ppm) | (ppm) | (ppm) |
| 545713     | Elevation:   | 1620 m | Sample Width :       | m     | Secondaries: | 5%HE, trMC       | <5    | <0.2  | 21.   | 643.  | <2    | <2    |
|            | Orientation: | /      | True Width :         | m     | Host :       | Hematite breccia |       |       |       |       |       |       |

Comments : Scree rubble of hematite breccia with specular hematite, magnetite, trace pyrite. One boulder with malachite stain.

|            |              |        |                      |       |              |                              |       |       |       |       |       |       |
|------------|--------------|--------|----------------------|-------|--------------|------------------------------|-------|-------|-------|-------|-------|-------|
| Sample No. | UTM :        | N      | Type :               | Float | Alteration : | wCA                          | Au    | Ag    | Co    | Cu    | Pb    | Zn    |
|            |              | E      | Strike Length Exp. : | m     | Metallics :  | trMG, trPY                   | (ppb) | (ppm) | (ppm) | (ppm) | (ppm) | (ppm) |
| 545714     | Elevation:   | 1620 m | Sample Width :       | m     | Secondaries: | None                         | <5    | 0.4   | 15.   | 27.   | <2    | <2    |
|            | Orientation: | /      | True Width :         | m     | Host :       | Brown dolostone (Gillespie?) |       |       |       |       |       |       |

Comments : Brown dolostone - minor carbonate, trace magnetite, otherwise waste rock.

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|            |              |        |                      |              |                               |       |       |       |       |       |       |
|------------|--------------|--------|----------------------|--------------|-------------------------------|-------|-------|-------|-------|-------|-------|
| Sample No. | UTM :        | N      | Type :               | Alteration : | mBI, sMS                      | Au    | Ag    | Co    | Cu    | Pb    | Zn    |
|            |              | E      | Strike Length Exp. : | Metallics :  | trCP, 4%MG, trPY              | (ppb) | (ppm) | (ppm) | (ppm) | (ppm) | (ppm) |
| 545715     | Elevation:   | 1620 m | Sample Width :       | Secondaries: | 2%HE                          | 20.   | 0.4   | 18.   | 108.  | <2    | <2    |
|            | Orientation: | /      | True Width :         | Host :       | Heterolithic-hematite breccia |       |       |       |       |       |       |

Comments : Abundant sericite - breccia dark grey, indicating magnetite-biotite and very strong hematite sericite.

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|            |              |        |                      |       |              |             |       |       |       |       |       |       |
|------------|--------------|--------|----------------------|-------|--------------|-------------|-------|-------|-------|-------|-------|-------|
| Sample No. | UTM :        | N      | Type :               | Float | Alteration : | sCA         | Au    | Ag    | Co    | Cu    | Pb    | Zn    |
|            |              | E      | Strike Length Exp. : | m     | Metallics :  | trPY        | (ppb) | (ppm) | (ppm) | (ppm) | (ppm) | (ppm) |
| 545716     | Elevation:   | 1630 m | Sample Width :       | m     | Secondaries: | None        | <5    | <0.2  | 17.   | 112.  | <2    | <2    |
|            | Orientation: | /      | True Width :         | m     | Host :       | Black shale |       |       |       |       |       |       |

Comments : Large outcrop of black shale jammed into metadolostone (brown).

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|            |              |        |                      |       |              |                      |       |       |       |       |       |       |
|------------|--------------|--------|----------------------|-------|--------------|----------------------|-------|-------|-------|-------|-------|-------|
| Sample No. | UTM :        | N      | Type :               | Float | Alteration : | wCA                  | Au    | Ag    | Co    | Cu    | Pb    | Zn    |
|            |              | E      | Strike Length Exp. : | m     | Metallics :  | 1%BO, trCP           | (ppb) | (ppm) | (ppm) | (ppm) | (ppm) | (ppm) |
| 545717     | Elevation:   | 1275 m | Sample Width :       | m     | Secondaries: | trAZ, wMC            | 15.   | 0.4   | 277.  | 2.83% | <2    | <2    |
|            | Orientation: | /      | True Width :         | m     | Host :       | Altered metasediment |       |       |       |       |       |       |

Comments : Approximately 1% of debris in talus slope - bornite coating. Minor chalcopyrite.

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|            |              |        |                      |       |              |              |       |       |       |        |       |       |
|------------|--------------|--------|----------------------|-------|--------------|--------------|-------|-------|-------|--------|-------|-------|
| Sample No. | UTM :        | N      | Type :               | Float | Alteration : | None         | Au    | Ag    | Co    | Cu     | Pb    | Zn    |
|            |              | E      | Strike Length Exp. : | m     | Metallics :  | 15%CP, 4%PO  | (ppb) | (ppm) | (ppm) | (ppm)  | (ppm) | (ppm) |
| 545718     | Elevation:   | 1310 m | Sample Width :       | m     | Secondaries: | mMC          | 455.  | 100.0 | 434.  | 16.40% | 24.   | 232.  |
|            | Orientation: | /      | True Width :         | m     | Host :       | Metasediment |       |       |       |        |       |       |

Comments : Semi-massive chalcopyrite float, approximately 1% of boulders on hillside. Outcrop above shows copper stain in sediments.  
Some heavy chalcopyrite in fractures.

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|            |              |         |                      |       |              |                           |       |       |       |       |       |       |
|------------|--------------|---------|----------------------|-------|--------------|---------------------------|-------|-------|-------|-------|-------|-------|
| Sample No. | UTM :        | N       | Type :               | Float | Alteration : | mMS                       | Au    | Ag    | Co    | Cu    | Pb    | Zn    |
|            |              | E       | Strike Length Exp. : | m     | Metallics :  | 50-60%HS, trPY            | (ppb) | (ppm) | (ppm) | (ppm) | (ppm) | (ppm) |
| 546127     | Elevation:   | 6060 ft | Sample Width :       | m     | Secondaries: | mHE, mJA                  | <5    | <0.2  | 18.   | 43.   | <2    | 16.   |
|            | Orientation: | /       | True Width :         | m     | Host :       | Specular hematite breccia |       |       |       |       |       |       |

Comments : Taken in subcrop from two boulders.

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|            |              |         |                      |       |              |                           |       |       |       |       |       |       |
|------------|--------------|---------|----------------------|-------|--------------|---------------------------|-------|-------|-------|-------|-------|-------|
| Sample No. | UTM :        | N       | Type :               | Grab  | Alteration : | mMS                       | Au    | Ag    | Co    | Cu    | Pb    | Zn    |
|            |              | E       | Strike Length Exp. : | m     | Metallics :  | 15-20%HS                  | (ppb) | (ppm) | (ppm) | (ppm) | (ppm) | (ppm) |
| 546128     | Elevation:   | 5925 ft | Sample Width :       | 50 cm | Secondaries: | wHE                       | <5    | <0.2  | 24.   | 6.    | <2    | 20.   |
|            | Orientation: | /       | True Width :         | ? m   | Host :       | Specular hematite breccia |       |       |       |       |       |       |

Comments : Random grab from outcrop over 50cm radius.

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|                                            |              |         |                      |      |              |                           |       |       |       |       |       |       |
|--------------------------------------------|--------------|---------|----------------------|------|--------------|---------------------------|-------|-------|-------|-------|-------|-------|
| Sample No.                                 | UTM :        | N       | Type :               | Grab | Alteration : | mKF                       | Au    | Ag    | Co    | Cu    | Pb    | Zn    |
|                                            |              | E       | Strike Length Exp. : | m    | Metallics :  | 30-40%HS                  | (ppb) | (ppm) | (ppm) | (ppm) | (ppm) | (ppm) |
| 546129                                     | Elevation:   | 5850 ft | Sample Width :       | 1 m  | Secondaries: | mHE                       | <5    | <0.2  | 19.   | 13.   | <2    | 24.   |
|                                            | Orientation: | /       | True Width :         | ? m  | Host :       | Specular hematite breccia |       |       |       |       |       |       |
| Comments : Taken from outcrop and subcrop. |              |         |                      |      |              |                           |       |       |       |       |       |       |

Comments : Taken from outcrop and subcrop.

| Sample No. | UTM : N            | Type : Select             | Alteration : sCB, sMS            | Au    | Ag    | Co    | Cu    | Pb    | Zn    |
|------------|--------------------|---------------------------|----------------------------------|-------|-------|-------|-------|-------|-------|
|            | E                  | Strike Length Exp. : 15 m | Metallics : 1%CP, 15%HS          | (ppb) | (ppm) | (ppm) | (ppm) | (ppm) | (ppm) |
| 546130     | Elevation: 5750 ft | Sample Width : m.         | Secondaries: None                | 30.   | <0.2  | 18.   | 1280. | <2    | 12.   |
|            | Orientation: 090 / | True Width : 50 cm        | Host : Specular hematite breccia |       |       |       |       |       |       |

Comments : SW of main saddle, 25m from ridge top on south side in chute.

| Sample No. | UTM : N            | Type : Float           | Alteration : mCB, mMS            | Au    | Ag    | Co    | Cu    | Pb    | Zn    |
|------------|--------------------|------------------------|----------------------------------|-------|-------|-------|-------|-------|-------|
|            | E                  | Strike Length Exp. : m | Metallics : 15-20%HS             | (ppb) | (ppm) | (ppm) | (ppm) | (ppm) | (ppm) |
| 546131     | Elevation: 5760 ft | Sample Width : m       | Secondaries: wHE                 | <5    | <0.2  | 17.   | 26.   | <2    | 20.   |
|            | Orientation: /     | True Width : m         | Host : Specular hematite breccia |       |       |       |       |       |       |

Comments : Taken from two rocks in subcrop, 50m NE of saddle, south side of ridge.

|            |              |         |                      |        |              |                      |       |       |       |       |       |       |
|------------|--------------|---------|----------------------|--------|--------------|----------------------|-------|-------|-------|-------|-------|-------|
| Sample No. | UTM :        | N       | Type :               | Select | Alteration : | mCB, sCL, wEP        | Au    | Ag    | Co    | Cu    | Pb    | Zn    |
|            |              | E       | Strike Length Exp. : | m      | Metallics :  | >1%CP, 5-10%HS, 2%MG | (ppb) | (ppm) | (ppm) | (ppm) | (ppm) | (ppm) |
| 546132     | Elevation:   | 5850 ft | Sample Width :       | 20 m   | Secondaries: | mHE, sJA, wMC        | 65.   | <0.2  | 53.   | 6930. | <2    | 76.   |
|            | Orientation: | /       | True Width :         | ? m    | Host :       | Sediments            |       |       |       |       |       |       |

Comments : Contact mineralization, mostly in fractures and quartz, calcite veinlets.

| Sample No. | UTM : N            | Type : Grab            | Alteration : mCB                 | Au    | Ag    | Co    | Cu    | Pb    | Zn    |
|------------|--------------------|------------------------|----------------------------------|-------|-------|-------|-------|-------|-------|
|            | E                  | Strike Length Exp. : m | Metallics : 5-10%HS              | (ppb) | (ppm) | (ppm) | (ppm) | (ppm) | (ppm) |
| 546133     | Elevation: 5850 ft | Sample Width : 5 m     | Secondaries: wHE, wJA            | <5    | <0.2  | 19.   | 30.   | <2    | 28.   |
|            | Orientation: /     | True Width : ? m       | Host : Specular hematite breccia |       |       |       |       |       |       |

Comments :

|            |                    |                          |                            |       |       |       |       |       |       |
|------------|--------------------|--------------------------|----------------------------|-------|-------|-------|-------|-------|-------|
| Sample No. | UTM : N            | Type : Select            | Alteration : ssCB, wEP     | Au    | Ag    | Co    | Cu    | Pb    | Zn    |
|            | E                  | Strike Length Exp. : 2 m | Metallics : 1%CP, 2-3%HS   | (ppb) | (ppm) | (ppm) | (ppm) | (ppm) | (ppm) |
| 546134     | Elevation: 5975 ft | Sample Width : 1 m       | Secondaries: mGE, sHE, mJA | 55.   | <0.2  | 55.   | 1.34% | <2    | 70.   |
|            | Orientation: /     | True Width : 2 m         | Host :                     |       |       |       |       |       |       |

Comments :

Property : URSUS

NTS : 106D/16

Date : JANUARY 20, 1994

|            |              |        |                      |        |              |                    |       |       |       |       |       |       |
|------------|--------------|--------|----------------------|--------|--------------|--------------------|-------|-------|-------|-------|-------|-------|
| Sample No. | UTM :        | N      | Type :               | Select | Alteration : | vsCB, vsCL         | Au    | Ag    | Co    | Cr    | Cu    | Ni    |
|            |              | E      | Strike Length Exp. : | m      | Metallics :  | 1%CP               | (ppb) | (ppm) | (ppm) | (ppm) | (ppm) | (ppm) |
| 545638     | Elevation:   | 5600 m | Sample Width :       | m      | Secondaries: | wMC                | <5    | <0.2  | 11.   | 78.   | 2740. | 8.    |
|            | Orientation: | /      | True Width :         | m      | Host :       | Homolithic breccia |       |       |       |       |       |       |

Comments : Contact area between homolithic breccia and Gillespie dolomites. Spotty copper mineralization with sample being best of material. Very intense Fe-carbonate and chlorite alteration.

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|            |              |        |                      |       |              |                    |       |       |       |       |       |       |
|------------|--------------|--------|----------------------|-------|--------------|--------------------|-------|-------|-------|-------|-------|-------|
| Sample No. | UTM :        | N      | Type :               | Float | Alteration : | vsCB, mCL          | Au    | Ag    | Co    | Cr    | Cu    | Ni    |
|            |              | E      | Strike Length Exp. : | m     | Metallics :  | <1%CP              | (ppb) | (ppm) | (ppm) | (ppm) | (ppm) | (ppm) |
| 545639     | Elevation:   | 5400 m | Sample Width :       | m     | Secondaries: | wMC                | 10.   | <0.2  | 10.   | 100.  | 4340. | 2.    |
|            | Orientation: | /      | True Width :         | m     | Host :       | Homolithic breccia |       |       |       |       |       |       |

Comments : On strike mineralization with 545638; similar style of mineralization.

-----

|            |              |         |                      |       |              |                      |       |       |       |       |       |       |
|------------|--------------|---------|----------------------|-------|--------------|----------------------|-------|-------|-------|-------|-------|-------|
| Sample No. | UTM :        | N       | Type :               | Float | Alteration : | sCB, sCL             | Au    | Ag    | Co    | Cr    | Cu    | Ni    |
|            |              | E       | Strike Length Exp. : | 5.0 m | Metallics :  | 2%CP                 | (ppb) | (ppm) | (ppm) | (ppm) | (ppm) | (ppm) |
| 545640     | Elevation:   | 5650 ft | Sample Width :       | m     | Secondaries: | MC                   | 255.  | 1.6   | 18.   | 159.  | 5.02% | 92.   |
|            | Orientation: | /       | True Width :         | m     | Host :       | Heterolithic breccia |       |       |       |       |       |       |

Comments : Heaved subcrop along ridge line. Small localized zone.

-----

**APPENDIX E**

**CERTIFICATES OF ANALYSIS & ANALYTICAL PROCEDURES**



# Chemex Labs Ltd.

Analytical Chemists

Geochemists

Registered Assayers

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## 24-Element Geochemistry Package (24-ICP)

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

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

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

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



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## Gold

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

Chemex Code: 100

A 10g sample is fused with a neutral lead oxide flux inquarted with 6mg of gold-free silver and then cupelled to yield a precious metal bead.

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

Detection limit: 5 ppb

Upper Limit: 10,000 ppb



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Parnicon Developments Limited

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

Project: Fairchild - Mica-Hill

Certificate Date: 15-Nov-93

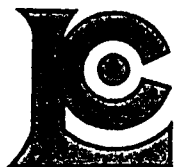
Page Number: 1

Total Pages: 2

Account: BM

| Sample Description | Au<br>ppb | Ag<br>ppm | Al<br>% | Ba<br>ppm | Be<br>ppm | Bi<br>ppm | Ca<br>% | Cd<br>ppm | Co<br>ppm | Cr<br>ppm | Cu<br>ppm | Fe<br>% | K<br>% | Mg<br>% |
|--------------------|-----------|-----------|---------|-----------|-----------|-----------|---------|-----------|-----------|-----------|-----------|---------|--------|---------|
| 545632             | <5        | <0.2      | 5.69    | 570       | <0.5      | <2        | 1.23    | <0.5      | 11        | 207       | 34        | 6.39    | 4.91   | 0.74    |
| 545633             | <5        | <0.2      | 5.96    | 620       | <0.5      | 2         | 1.68    | <0.5      | 20        | 158       | 17        | 6.14    | 4.20   | 1.10    |
| 545634             | <5        | <0.2      | 8.22    | 780       | 1.5       | 2         | 0.48    | <0.5      | 13        | 125       | 9         | 5.44    | 5.57   | 0.67    |
| 545635             | 10        | <0.2      | 6.48    | 900       | <0.5      | 4         | 2.29    | <0.5      | 38        | 146       | 532       | 5.83    | 5.38   | 1.41    |
| 545636             | <5        | <0.2      | 5.59    | 720       | <0.5      | 8         | 3.14    | 0.5       | 23        | 142       | 17        | 6.21    | 5.61   | 1.49    |
| 545637             | <5        | <0.2      | 5.39    | 620       | <0.5      | 2         | 2.67    | <0.5      | 24        | 154       | 179       | 6.33    | 4.65   | 1.40    |
| 545709             | 35        | 1.8       | 6.59    | 900       | <0.5      | 10        | 1.94    | <0.5      | 29        | 129       | 4379      | 6.27    | 6.32   | 2.70    |
| 545710             | <5        | <0.2      | 1.37    | 10        | <0.5      | <2        | 3.39    | <0.5      | 58        | 57        | 74        | >25.00  | 0.16   | 1.67    |
| 545711             | <5        | <0.2      | 6.89    | 180       | <0.5      | <2        | 1.25    | <0.5      | 72        | 115       | 1510      | 8.64    | 1.33   | 3.92    |
| 545712             | 100       | <0.2      | 5.55    | 380       | <0.5      | <2        | 1.64    | <0.5      | 35        | 113       | 36        | 10.03   | 3.20   | 2.06    |
| 545713             | <5        | <0.2      | 7.11    | 890       | 0.5       | 6         | 2.56    | <0.5      | 21        | 98        | 643       | 5.24    | 6.63   | 2.32    |
| 545714             | <5        | 0.4       | 3.45    | 240       | 0.5       | <2        | 11.74   | <0.5      | 15        | 56        | 27        | 3.06    | 2.19   | 7.44    |
| 545715             | 20        | 0.4       | 6.60    | 450       | 0.5       | 2         | 2.86    | <0.5      | 18        | 111       | 108       | 6.19    | 4.63   | 2.76    |
| 545716             | <5        | <0.2      | 5.78    | 190       | 1.5       | <2        | 3.02    | <0.5      | 17        | 86        | 112       | 1.46    | 2.65   | 2.29    |
| 545717             | 15        | 0.4       | 2.97    | 50        | <0.5      | <2        | 2.97    | 1.0       | 277       | 151       | >10000    | 4.90    | 1.10   | 2.18    |
| 545718             | 455       | >100.0    | 0.42    | <10       | <0.5      | 496       | 0.04    | 0.5       | 434       | 95        | >10000    | >25.00  | 0.05   | 0.18    |
| 546127             | <5        | <0.2      | 6.67    | 750       | 0.5       | <2        | 3.45    | <0.5      | 18        | 102       | 43        | 5.66    | 5.85   | 2.16    |
| 546128             | <5        | <0.2      | 6.53    | 830       | 0.5       | 6         | 3.27    | 0.5       | 24        | 102       | 6         | 5.15    | 5.45   | 2.33    |
| 546129             | <5        | <0.2      | 6.73    | 620       | 0.5       | <2        | 1.66    | <0.5      | 19        | 123       | 13        | 5.71    | 4.20   | 1.94    |
| 546130             | 30        | <0.2      | 7.75    | 490       | 1.5       | 2         | 3.33    | <0.5      | 18        | 150       | 1282      | 2.59    | 3.90   | 1.97    |
| 546131             | <5        | <0.2      | 7.93    | 1020      | 1.0       | <2        | 1.51    | <0.5      | 17        | 93        | 26        | 4.23    | 5.88   | 2.15    |
| 546132             | 65        | <0.2      | 5.75    | 490       | <0.5      | <2        | 0.38    | <0.5      | 53        | 133       | 6930      | 9.35    | 2.33   | 2.86    |
| 546133             | <5        | <0.2      | 6.88    | 660       | 1.5       | <2        | 2.53    | <0.5      | 19        | 86        | 30        | 4.61    | 3.38   | 2.75    |
| 546134             | 55        | <0.2      | 4.15    | 370       | 0.5       | <2        | 7.20    | <0.5      | 55        | 49        | >10000    | 4.64    | 1.52   | 5.71    |
| 546408             | <5        | <0.2      | 6.86    | 340       | <0.5      | <2        | 1.37    | <0.5      | 15        | 160       | 393       | 8.69    | 5.61   | 2.84    |
| 546409             | <5        | 0.6       | 6.47    | 170       | <0.5      | <2        | 1.08    | <0.5      | 47        | 150       | 52        | 6.70    | 5.74   | 1.14    |
| 546410             | <5        | <0.2      | 6.76    | 570       | <0.5      | <2        | 3.07    | 0.5       | 23        | 114       | 302       | 6.14    | 5.54   | 1.70    |
|                    |           |           |         |           |           |           |         |           |           |           |           |         |        |         |

Certification: Hart Bickler



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Pamicon Developments Limited

711 - 675 W. Hastings St.

Vancouver, BC, V6B 1N4

Project: Fairchild - Mica-Hill

Certificate Date: 15-Nov-93

Page Number: 2

Total Pages: 2

Account: BM

| Sample<br>Description | Mn<br>ppm | Mo<br>ppm | Na<br>% | Ni<br>ppm | P<br>ppm | Pb<br>ppm | Sr<br>ppm | Ti<br>% | V<br>ppm | W<br>ppm | Zn<br>ppm | La<br>ppm | Cu<br>% |
|-----------------------|-----------|-----------|---------|-----------|----------|-----------|-----------|---------|----------|----------|-----------|-----------|---------|
| 545632                | 2610      | 1         | 0.14    | 14        | 680      | <2        | 12        | 0.17    | 66       | <10      | 4         | <10       |         |
| 545633                | 2495      | 1         | 0.14    | 19        | 710      | <2        | 11        | 0.20    | 59       | 10       | <2        | <10       |         |
| 545634                | 1295      | 2         | 0.17    | 24        | 650      | <2        | 12        | 0.28    | 68       | <10      | <2        | 20        |         |
| 545635                | 3125      | 2         | 0.16    | 22        | 860      | <2        | 13        | 0.25    | 51       | 10       | 6         | <10       |         |
| 545636                | 3970      | 1         | 0.14    | 16        | 750      | <2        | 15        | 0.17    | 73       | 10       | 2         | 40        |         |
| 545637                | 3065      | 5         | 0.15    | 16        | 810      | <2        | 12        | 0.14    | 58       | 10       | <2        | 70        |         |
| 545709                | 760       | 2         | 0.21    | 30        | 900      | <2        | 16        | 0.29    | 79       | 10       | 20        | 20        |         |
| 545710                | 245       | 3         | 0.04    | 197       | >10000   | <2        | 25        | 0.17    | 1075     | <10      | 56        | 430       |         |
| 545711                | 580       | 4         | 2.24    | 60        | 430      | <2        | 19        | 0.41    | 265      | <10      | 14        | 30        |         |
| 545712                | 885       | 2         | 0.17    | 22        | 940      | <2        | 9         | 0.28    | 140      | 10       | 4         | 30        |         |
| 545713                | 1130      | 2         | 0.43    | 25        | 810      | <2        | 18        | 0.20    | 65       | 10       | <2        | 70        |         |
| 545714                | 1785      | 1         | 0.10    | 14        | 420      | <2        | 30        | 0.08    | 51       | 10       | <2        | <10       |         |
| 545715                | 530       | 1         | 0.17    | 22        | 840      | <2        | 13        | 0.20    | 85       | 10       | <2        | 60        |         |
| 545716                | 810       | <1        | 0.16    | 11        | 320      | <2        | 13        | 0.18    | 44       | <10      | <2        | 10        |         |
| 545717                | 1760      | 1         | 0.06    | 238       | 730      | <2        | 39        | 0.07    | 34       | 30       | <2        | <10       | 2.83    |
| 545718                | 690       | 7         | 0.01    | 572       | 230      | 24        | 2         | <0.01   | <1       | <10      | 232       | <10       | 16.40   |
| 546127                | 2400      | 7         | 0.23    | 22        | 770      | <2        | 16        | 0.15    | 68       | <10      | 16        | 20        |         |
| 546128                | 1810      | <1        | 0.41    | 26        | 720      | <2        | 18        | 0.20    | 63       | <10      | 20        | 130       |         |
| 546129                | 1325      | <1        | 1.03    | 34        | 800      | <2        | 16        | 0.18    | 63       | <10      | 24        | 40        |         |
| 546130                | 2265      | 1         | 1.12    | 22        | 790      | <2        | 17        | 0.12    | 55       | <10      | 12        | 10        |         |
| 546131                | 535       | <1        | 1.24    | 44        | 690      | <2        | 15        | 0.22    | 64       | <10      | 20        | 30        |         |
| 546132                | 545       | 18        | 1.35    | 54        | 410      | <2        | 15        | 0.68    | 285      | 10       | 76        | 40        |         |
| 546133                | 870       | <1        | 0.19    | 26        | 690      | <2        | 12        | 0.21    | 58       | <10      | 28        | 210       |         |
| 546134                | 2715      | 22        | 0.35    | 26        | 500      | <2        | 27        | 0.20    | 388      | <10      | 70        | <10       | 1.34    |
| 546408                | 1330      | 1         | 0.49    | 100       | 200      | <2        | 11        | 0.20    | 111      | <10      | 48        | 10        |         |
| 546409                | 1095      | 1         | 0.15    | 27        | 620      | <2        | 11        | 0.17    | 68       | <10      | 22        | 10        |         |
| 546410                | 3040      | <1        | 0.16    | 14        | 710      | <2        | 13        | 0.18    | 53       | <10      | 16        | <10       |         |
|                       |           |           |         |           |          |           |           |         |          |          |           |           |         |
|                       |           |           |         |           |          |           |           |         |          |          |           |           |         |

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

Project: Fairchild - Reid

Certificate Date: 15-Nov-93  
Page Number: 1  
Total Pages: 2  
Account: BM

| Sample<br>Description | Au<br>ppb | Ag<br>ppm | Al<br>% | Ba<br>ppm | Be<br>ppm | Bi<br>ppm | Ca<br>% | Cd<br>ppm | Co<br>ppm | Cr<br>ppm | Cu<br>ppm | Fe<br>% | K<br>% | Mg<br>% |
|-----------------------|-----------|-----------|---------|-----------|-----------|-----------|---------|-----------|-----------|-----------|-----------|---------|--------|---------|
| 546135                | 30        | <0.2      | 3.92    | 70        | 1.0       | <2        | 0.72    | <0.5      | 112       | 163       | >10000    | 3.33    | 1.52   | 1.14    |
| 546136                | 10        | <0.2      | 3.14    | 30        | <0.5      | <2        | 0.06    | <0.5      | 16        | 208       | 4761      | 2.39    | 0.74   | 2.11    |
| 546137                | 80        | 0.4       | 4.40    | 40        | 1.0       | <2        | 0.04    | <0.5      | 24        | 174       | 7276      | 4.13    | 0.87   | 2.48    |
| 546138                | <5        | <0.2      | 5.50    | 70        | 1.5       | <2        | 0.04    | <0.5      | 30        | 192       | 674       | 2.51    | 1.45   | 2.54    |
| 546139                | 25        | <0.2      | 5.60    | 100       | 1.0       | <2        | 0.03    | <0.5      | 53        | 195       | 8447      | 3.01    | 2.29   | 1.51    |
| 546140                | 15        | <0.2      | 6.11    | 650       | <0.5      | <2        | 2.57    | <0.5      | 25        | 91        | 204       | 5.39    | 4.90   | 1.28    |
| 546411                | 35        | 8.0       | 2.22    | 30        | <0.5      | 948       | 0.25    | 0.5       | 436       | 255       | >10000    | 7.85    | 0.10   | 1.04    |
| 546412                | 25        | 5.8       | 2.01    | 10        | 0.5       | 114       | 0.25    | 1.5       | 180       | 264       | >10000    | 4.93    | 0.04   | 0.77    |
| 546413                | 60        | 11.0      | 2.81    | 30        | 1.0       | 1314      | 0.06    | 3.5       | 89        | 326       | 3155      | 3.72    | 0.16   | 0.91    |
| 546422                | 10        | <0.2      | 1.32    | 70        | <0.5      | <2        | 0.08    | <0.5      | 28        | 287       | 6807      | 3.48    | 0.69   | 0.31    |
| 546423                | <5        | <0.2      | 6.71    | 220       | 1.5       | 6         | 0.04    | <0.5      | 10        | 110       | 39        | 1.38    | 3.00   | 2.44    |
| 546424                | <5        | <0.2      | 1.01    | 20        | <0.5      | 2         | 0.40    | <0.5      | 19        | 270       | 1179      | 0.85    | 0.42   | 0.47    |
| 546425                | <5        | 0.8       | 1.01    | 20        | <0.5      | 44        | 3.13    | <0.5      | 263       | 316       | 574       | 1.24    | 0.15   | 2.41    |
|                       |           |           |         |           |           |           |         |           |           |           |           |         |        |         |
|                       |           |           |         |           |           |           |         |           |           |           |           |         |        |         |
|                       |           |           |         |           |           |           |         |           |           |           |           |         |        |         |
|                       |           |           |         |           |           |           |         |           |           |           |           |         |        |         |

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Vancouver, BC, V6B 1N4

Project: Fairchild - Reid

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

| Sample<br>Description | Mn<br>ppm | Mo<br>ppm | Na<br>% | Ni<br>ppm | P<br>ppm | Pb<br>ppm | Sr<br>ppm | Ti<br>% | V<br>ppm | W<br>ppm | Zn<br>ppm | La<br>ppm | Cu<br>% |
|-----------------------|-----------|-----------|---------|-----------|----------|-----------|-----------|---------|----------|----------|-----------|-----------|---------|
| 546135                | 360       | 1         | 0.18    | 82        | 70       | <2        | 8         | 0.10    | 31       | <10      | 68        | 20        | 1.63    |
| 546136                | 190       | 1         | 0.12    | 30        | 140      | <2        | 3         | 0.06    | 21       | <10      | 26        | 20        |         |
| 546137                | 70        | 1         | 0.28    | 24        | 330      | 6         | 5         | 0.14    | 33       | <10      | 40        | 20        |         |
| 546138                | 60        | 1         | 0.25    | 27        | 350      | <2        | 5         | 0.17    | 41       | <10      | 16        | 30        |         |
| 546139                | 35        | 1         | 0.18    | 20        | 260      | 12        | 4         | 0.18    | 44       | <10      | 38        | 30        |         |
| 546140                | 2110      | 3         | 0.51    | 12        | 760      | 10        | 15        | 0.15    | 58       | <10      | 26        | 30        |         |
| 546411                | 115       | 1         | 0.16    | 481       | 310      | 20        | 8         | 0.04    | 15       | 100      | 210       | <10       | 5.42    |
| 546412                | 35        | 1         | 0.14    | 250       | 1300     | 6         | 7         | 0.05    | 13       | 30       | 162       | <10       | 4.38    |
| 546413                | 30        | 2         | 0.23    | 139       | 240      | 10        | 10        | 0.07    | 19       | <10      | 20        | 10        |         |
| 546422                | 70        | <1        | 0.05    | 112       | 60       | <2        | 4         | 0.02    | 9        | <10      | 32        | 10        |         |
| 546423                | 40        | 2         | 0.18    | 17        | 230      | <2        | 5         | 0.22    | 58       | <10      | 6         | 30        |         |
| 546424                | 235       | 1         | 0.03    | 13        | 80       | <2        | 4         | 0.02    | 10       | <10      | 12        | <10       |         |
| 546425                | 650       | <1        | 0.06    | 154       | 260      | 6         | 12        | 0.02    | 12       | <10      | 12        | <10       |         |
|                       |           |           |         |           |          |           |           |         |          |          |           |           |         |
|                       |           |           |         |           |          |           |           |         |          |          |           |           |         |
|                       |           |           |         |           |          |           |           |         |          |          |           |           |         |
|                       |           |           |         |           |          |           |           |         |          |          |           |           |         |

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Project: Fairchild - TVA

Certificate Date: 15-Nov-93  
Page Number: 1  
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| Sample<br>Description | Au<br>ppb | Ag<br>ppm | Al<br>% | Ba<br>ppm | Be<br>ppm | Bi<br>ppm | Ca<br>% | Cd<br>ppm | Co<br>ppm | Cr<br>ppm | Cu<br>ppm | Fe<br>% | K<br>% | Mg<br>% |
|-----------------------|-----------|-----------|---------|-----------|-----------|-----------|---------|-----------|-----------|-----------|-----------|---------|--------|---------|
| 545852                | 85        | 0.4       | 7.50    | 1680      | <0.5      | <2        | 0.60    | <0.5      | 61        | 100       | 314       | 11.14   | 5.76   | 1.03    |
| 545853                | 575       | 0.6       | 3.77    | 1180      | <0.5      | 2         | 1.33    | <0.5      | 731       | 70        | 3183      | 16.37   | 1.25   | 1.61    |
| 545854                | 100       | <0.2      | 7.12    | 810       | <0.5      | <2        | 0.45    | <0.5      | 157       | 113       | 1880      | 9.53    | 3.66   | 1.23    |
| 545855                | 215       | <0.2      | 4.34    | 100       | <0.5      | 34        | 0.53    | <0.5      | 71        | 143       | >10000    | 12.87   | 1.73   | 1.04    |
| 545856                | 25        | <0.2      | 9.14    | 9520      | 0.5       | 2         | 0.40    | <0.5      | 84        | 116       | 321       | 6.05    | 5.78   | 0.72    |
| 545857                | <5        | 0.1       | 5.91    | 1050      | 1.5       | 2         | 0.01    | <0.5      | 3         | 89        | 54        | 0.44    | 2.86   | 0.30    |
| 545858                | <5        | <0.2      | 0.16    | 80        | <0.5      | <2        | 3.52    | <0.5      | 5         | 279       | 29        | 1.80    | 0.08   | 1.09    |
| 545859                | <5        | 0.2       | 0.40    | 250       | <0.5      | 8         | 8.03    | <0.5      | 14        | 68        | 19        | 3.92    | 0.13   | 3.28    |
| 545860                | <5        | <0.2      | 2.25    | 20        | <0.5      | 2         | 9.21    | <0.5      | 6         | 204       | 21        | 4.94    | 0.04   | 2.40    |
| 545861                | <5        | 0.2       | 9.18    | 580       | 1.0       | 2         | 0.15    | <0.5      | 6         | 95        | 151       | 2.72    | 2.67   | 1.04    |
| 545862                | 230       | 2.4       | 1.41    | 300       | <0.5      | 2         | 0.17    | <0.5      | 23        | 107       | 2936      | 16.32   | 0.11   | 1.02    |
| 545863                | 20        | 1.2       | 0.16    | 60        | <0.5      | 2         | 1.65    | <0.5      | 119       | 224       | 66        | 7.93    | 0.03   | 5.36    |
| 545864                | 25        | 1.2       | 0.11    | 110       | <0.5      | 16        | 4.70    | <0.5      | 137       | 160       | 67        | 9.82    | 0.01   | 3.02    |
| 545865                | <5        | 0.4       | 4.28    | 80        | <0.5      | <2        | 0.49    | <0.5      | 222       | 167       | 325       | 16.09   | 0.28   | 1.51    |
| 546014                | <5        | <0.2      | 6.90    | 590       | <0.5      | 8         | 2.17    | <0.5      | 18        | 104       | 3         | 6.50    | 5.89   | 2.06    |
| 546015                | <5        | <0.2      | 6.66    | 780       | <0.5      | <2        | 1.08    | <0.5      | 17        | 101       | 2         | 7.48    | 5.37   | 1.96    |
| 546016                | <5        | <0.2      | 6.45    | 1420      | <0.5      | <2        | 2.85    | <0.5      | 13        | 97        | 6         | 6.45    | 6.00   | 2.17    |
| 546017                | 10        | <0.2      | 1.16    | 1900      | <0.5      | 2         | 1.24    | <0.5      | 27        | 34        | 71        | 19.92   | 0.40   | 0.71    |
| 546018                | <5        | <0.2      | 7.31    | 1960      | 2.0       | 2         | 3.26    | <0.5      | 31        | 79        | 6         | 5.95    | 5.18   | 1.84    |
| 546019                | 935       | <0.2      | 2.79    | 250       | <0.5      | <2        | 0.46    | <0.5      | 239       | 38        | >10000    | 21.91   | 1.55   | 0.72    |
| 546020                | <5        | <0.2      | 7.03    | 1730      | 0.5       | <2        | 2.03    | <0.5      | 117       | 71        | 170       | 14.61   | 4.69   | 0.93    |
| 546021                | 110       | 0.4       | 1.81    | 570       | <0.5      | <2        | 0.29    | <0.5      | 59        | 52        | 7729      | >25.00  | 0.15   | 0.86    |
| 546022                | 20        | <0.2      | 9.05    | 1100      | <0.5      | 8         | 0.44    | 0.5       | 45        | 41        | 828       | 14.66   | 5.36   | 2.71    |
| 546023                | <5        | <0.2      | 6.86    | 7000      | <0.5      | <2        | 1.69    | <0.5      | 21        | 104       | 424       | 6.85    | 4.51   | 2.51    |
| 546024                | <5        | <0.2      | 5.73    | 530       | 1.0       | 4         | 4.03    | <0.5      | 14        | 114       | 15        | 3.24    | 3.14   | 3.46    |
| 546025                | 35        | <0.2      | 6.51    | 4810      | 1.5       | 2         | 3.56    | <0.5      | 28        | 99        | 177       | 5.35    | 4.39   | 1.52    |
| 546120                | <5        | 8.8       | 6.19    | 160       | <0.5      | <2        | 0.11    | <0.5      | 12        | 184       | 22        | 3.69    | 1.45   | 3.38    |
| 546121                | <5        | 5.8       | 6.64    | 310       | 0.5       | <2        | 0.13    | <0.5      | 84        | 101       | 754       | 5.27    | 0.19   | 7.43    |
| 546122                | <5        | <0.2      | 0.26    | 40        | <0.5      | <2        | 13.91   | <0.5      | 15        | 31        | 1417      | 9.13    | 0.04   | 5.08    |
| 546123                | 80        | <0.2      | 1.10    | 260       | <0.5      | <2        | 11.72   | 0.5       | 279       | 13        | 8325      | 21.49   | 0.53   | 3.19    |
| 546124                | 600       | 3.0       | 0.45    | 50        | <0.5      | 12        | 1.19    | <0.5      | 77        | 366       | 129       | 10.90   | 0.25   | 0.32    |
| 546125                | 10        | <0.2      | 0.43    | 210       | <0.5      | 4         | 16.31   | 0.5       | 62        | 26        | 355       | 10.99   | 0.16   | 5.18    |
| 546126                | 50        | 1.6       | 1.48    | 50        | <0.5      | <2        | 3.17    | 0.5       | 31        | 84        | 100       | 17.86   | 0.77   | 0.54    |

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Pamicon Developments Limited

711 - 675 W. Hastings St.

Vancouver, BC, V6B 1N4

Project: Fairchild - TVA

Certificate Date: 15-Nov-93

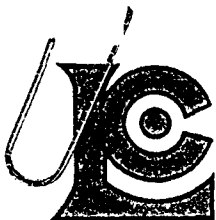
Page Number: 2

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 % |
|--------------------|--------|--------|------|--------|-------|--------|--------|-------|-------|-------|--------|--------|------|
| 545852             | 1080   | 10     | 0.19 | 22     | 950   | <2     | 18     | 0.23  | 108   | 20    | 6      | 90     | 2.13 |
| 545853             | 1275   | 115    | 0.07 | 47     | 2540  | <2     | 152    | 0.08  | 247   | 20    | 50     | 450    |      |
| 545854             | 715    | 18     | 0.16 | 29     | 920   | <2     | 14     | 0.14  | 62    | 40    | 14     | 350    |      |
| 545855             | 1525   | 58     | 0.07 | 39     | 1040  | <2     | 290    | 0.10  | 44    | 10    | 14     | 70     |      |
| 545856             | 1345   | 4      | 0.21 | 28     | 870   | <2     | 109    | 0.23  | 75    | <10   | <2     | 70     |      |
| 545857             | 15     | 2      | 0.13 | <1     | 90    | 4      | 24     | 0.20  | 35    | 10    | <2     | 40     |      |
| 545858             | 2390   | 2      | 0.01 | 4      | 3460  | <2     | 17     | <0.01 | 7     | <10   | 4      | <10    |      |
| 545859             | 5190   | <1     | 0.01 | 5      | 230   | <2     | 36     | <0.01 | 12    | <10   | 10     | <10    |      |
| 545860             | 5280   | <1     | 1.69 | 4      | 340   | <2     | 44     | 0.04  | 18    | 10    | 18     | <10    |      |
| 545861             | 355    | 1      | 0.70 | 8      | 410   | <2     | 78     | 0.26  | 79    | <10   | 40     | 60     |      |
| 545862             | 175    | 323    | 0.02 | 34     | 1350  | 8      | 3202   | 0.01  | 38    | <10   | 52     | 320    |      |
| 545863             | 1835   | 22     | 0.02 | 37     | 2000  | 50     | 40     | <0.01 | 158   | <10   | 14     | 180    |      |
| 545864             | 1280   | 63     | 0.01 | 36     | 820   | 12     | 16     | <0.01 | 106   | 10    | 16     | 270    |      |
| 545865             | 120    | 17     | 1.64 | 939    | 2480  | 8      | 16     | 0.11  | 64    | <10   | 28     | 30     |      |
| 546014             | 2250   | <1     | 0.20 | 30     | 730   | <2     | 12     | 0.18  | 64    | <10   | 38     | 20     |      |
| 546015             | 1720   | 3      | 0.16 | 41     | 740   | <2     | 11     | 0.19  | 70    | <10   | 50     | 10     | 2.96 |
| 546016             | 3285   | 2      | 0.22 | 23     | 780   | <2     | 21     | 0.22  | 75    | <10   | 42     | 10     |      |
| 546017             | 1330   | 25     | 0.02 | 15     | 550   | <2     | 487    | 0.01  | 14    | 20    | 40     | 310    |      |
| 546018             | 4105   | 1      | 0.18 | 25     | 670   | <2     | 26     | 0.29  | 69    | <10   | 16     | 10     |      |
| 546019             | 240    | 62     | 0.02 | 66     | 2050  | <2     | 18     | 0.03  | 58    | 30    | 184    | 570    |      |
| 546020             | 3065   | 7      | 0.19 | 40     | 690   | <2     | 27     | 0.14  | 76    | <10   | 24     | 50     |      |
| 546021             | 585    | 180    | 0.02 | 38     | 730   | 36     | 432    | 0.03  | 42    | <10   | 100    | 460    |      |
| 546022             | 600    | 83     | 0.52 | 61     | 1050  | <2     | 22     | 0.03  | 94    | <10   | 160    | 1280   |      |
| 546023             | 1740   | 2      | 0.23 | 44     | 780   | <2     | 241    | 0.18  | 60    | <10   | 32     | 90     |      |
| 546024             | 2465   | 1      | 0.16 | 13     | 590   | <2     | 18     | 0.16  | 58    | <10   | 16     | 10     |      |
| 546025             | 6465   | 7      | 0.87 | 28     | 860   | <2     | 423    | 0.18  | 67    | 10    | 16     | 20     |      |
| 546120             | 130    | <1     | 0.22 | 60     | 560   | <2     | 8      | 0.23  | 56    | <10   | 36     | 20     |      |
| 546121             | 175    | 3      | 0.23 | 63     | 720   | <2     | 14     | 0.17  | 100   | <10   | 48     | 50     |      |
| 546122             | >10000 | <1     | 0.02 | 5      | 190   | <2     | 29     | <0.01 | 33    | 10    | 26     | <10    |      |
| 546123             | >10000 | 31     | 0.02 | 71     | 1710  | <2     | 108    | 0.01  | 183   | 20    | 68     | <10    |      |
| 546124             | 1685   | 54     | 0.02 | 36     | 1100  | 8      | 14     | 0.01  | 707   | 10    | 18     | 250    |      |
| 546125             | >10000 | 31     | 0.02 | 26     | 1390  | <2     | 49     | <0.01 | 379   | 20    | 28     | 30     |      |
| 546126             | 755    | 47     | 0.02 | 13     | 710   | 14     | 13     | 0.02  | 182   | <10   | 28     | 370    |      |

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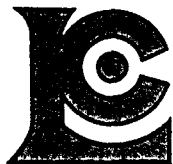
Pamicon Developments Limited  
711 - 675 W. Hastings St.  
Vancouver, BC, V6B 1N4

Project: Fairchild - Ursus

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

| Sample<br>Description | Au<br>ppb | Ag<br>ppm | Al<br>% | Ba<br>ppm | Be<br>ppm | Bi<br>ppm | Ca<br>% | Cd<br>ppm | Co<br>ppm | Cr<br>ppm | Cu<br>ppm | Fe<br>% | K<br>% | Mg<br>% |
|-----------------------|-----------|-----------|---------|-----------|-----------|-----------|---------|-----------|-----------|-----------|-----------|---------|--------|---------|
| 545638                | <5        | <0.2      | 3.70    | 170       | <0.5      | <2        | 7.60    | <0.5      | 11        | 78        | 2738      | 3.56    | 1.37   | 3.92    |
| 545639                | 10        | <0.2      | 3.16    | 120       | <0.5      | <2        | 8.93    | <0.5      | 10        | 100       | 4335      | 3.23    | 1.43   | 4.80    |
| 545640                | 255       | 1.6       | 6.84    | 80        | 0.5       | <2        | 0.10    | <0.5      | 18        | 159       | >10000    | 9.48    | 2.25   | 3.33    |
|                       |           |           |         |           |           |           |         |           |           |           |           |         |        |         |
|                       |           |           |         |           |           |           |         |           |           |           |           |         |        |         |
|                       |           |           |         |           |           |           |         |           |           |           |           |         |        |         |
|                       |           |           |         |           |           |           |         |           |           |           |           |         |        |         |
|                       |           |           |         |           |           |           |         |           |           |           |           |         |        |         |
|                       |           |           |         |           |           |           |         |           |           |           |           |         |        |         |
|                       |           |           |         |           |           |           |         |           |           |           |           |         |        |         |
|                       |           |           |         |           |           |           |         |           |           |           |           |         |        |         |

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

Project: Fairchild - Ursus

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

| Sample<br>Description | Mn<br>ppm | Mo<br>ppm | Na<br>% | Ni<br>ppm | P<br>ppm | Pb<br>ppm | Sr<br>ppm | Ti<br>% | V<br>ppm | W<br>ppm | Zn<br>ppm | La<br>ppm | Cu<br>% |
|-----------------------|-----------|-----------|---------|-----------|----------|-----------|-----------|---------|----------|----------|-----------|-----------|---------|
| 545638                | 5490      | 1         | 1.20    | 8         | 460      | <2        | 25        | 0.07    | 31       | 10       | 2         | <10       |         |
| 545639                | 6040      | <1        | 0.52    | 2         | 380      | 8         | 28        | 0.06    | 27       | 10       | 26        | <10       |         |
| 545640                | 490       | <1        | 0.39    | 92        | <10      | <2        | 8         | 0.17    | 62       | 80       | <2        | 90        | 5.02    |
|                       |           |           |         |           |          |           |           |         |          |          |           |           |         |
|                       |           |           |         |           |          |           |           |         |          |          |           |           |         |
|                       |           |           |         |           |          |           |           |         |          |          |           |           |         |
|                       |           |           |         |           |          |           |           |         |          |          |           |           |         |
|                       |           |           |         |           |          |           |           |         |          |          |           |           |         |
|                       |           |           |         |           |          |           |           |         |          |          |           |           |         |
|                       |           |           |         |           |          |           |           |         |          |          |           |           |         |

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**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 cumulative 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

| Element | ALL DATA |             |         |         | ROCK TYPE -> HOOV |             |         |         | ROCK TYPE -> EAGL |             |         |         |
|---------|----------|-------------|---------|---------|-------------------|-------------|---------|---------|-------------------|-------------|---------|---------|
|         | 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

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

Length Weighted

Detection Limit Samples Ignored

No Recovery Weighting Used

NORMAL DATA

(\* - indicates only 1992 sample data)

FILE=93NORM

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

Produced by GEO-LOGIC SYSTEM and QUATTRO PRO

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

Length Weighted

Detection Limit Samples Ignored

No Recovery Weighting Used

## NORMAL DATA

(\* - indicates only 1992 sample data)

FILE=93NORM

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

Produced by GEO-LOGIC SYSTEM and QUATTRO PRO

TABLE #2

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

Length Weighted

1/2 Detection Limit Used

No Recovery Weighting Used

## NORMAL DATA

(\* - indicates only 1992 sample data)

FILE=93HALF

| Element | ALL DATA |             |         |         | ROCK TYPE -> HOOV |             |         |         | ROCK TYPE -> EAGL |             |         |         |
|---------|----------|-------------|---------|---------|-------------------|-------------|---------|---------|-------------------|-------------|---------|---------|
|         | 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

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

Length Weighted

1/2 Detection Limit Used

No Recovery Weighting Used

NORMAL DATA

(\* - indicates only 1992 sample data)

FILE=93HALF

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

Produced by GEO-LOGIC SYSTEM and QUATTRO PRO

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

Length Weighted

1/2 Detection Limit Used

No Recovery Weighting Used

NORMAL DATA

(\* - indicates only 1992 sample data)

FILE=93HALF

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

Produced by GEO-LOGIC SYSTEM and QUATTRO PRO

TABLE #3

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

Length Weighted

Detection Limit Samples Ignored

No Recovery Weighting Used

## NATURAL LOG DATA

(\* - indicates only 1992 sample data)

FILE=93LNORM

| Element | ALL DATA |             |         |         | ROCK TYPE -> HOOV |             |        |         | ROCK TYPE -> EAGL |             |         |         |
|---------|----------|-------------|---------|---------|-------------------|-------------|--------|---------|-------------------|-------------|---------|---------|
|         | 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

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

Length Weighted

Detection Limit Samples Ignored

No Recovery Weighting Used

NATURAL LOG DATA

(\* - indicates only 1992 sample data)

FILE=93LNORM

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

Produced by GEO-LOGIC SYSTEM and QUATTRO PRO

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

Length Weighted

Detection Limit Samples Ignored

No Recovery Weighting Used

NATURAL LOG DATA

(\* - indicates only 1992 sample data)

FILE=93LNORM

| 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

| Element | ALL DATA |             |         |         | ROCK TYPE -> HOOV |             |         |         | ROCK TYPE -> EAGL |             |         |         |
|---------|----------|-------------|---------|---------|-------------------|-------------|---------|---------|-------------------|-------------|---------|---------|
|         | 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

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

Length Weighted

1/2 Detection Limit Used

No Recovery Weighting Used

## NATURAL LOG DATA

(\* - indicates only 1992 sample data)

FILE=93LHALF

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

Produced by GEO-LOGIC SYSTEM and QUATTRO PRO

TABLE #1

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

Length Weighted

Detection Limit Samples Ignored

No Recovery Weighting Used

## NORMAL DATA

(\* - indicates only 1992 sample data)

FILE=93STAT

| Element | ALL DATA |             |         |         | ROCK TYPE -> HOOV |             |          |         | ROCK TYPE -> SLAB |             |         |         |
|---------|----------|-------------|---------|---------|-------------------|-------------|----------|---------|-------------------|-------------|---------|---------|
|         | 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

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

Length Weighted

1/2 Detection Limit Used

No Recovery Weighting Used

NATURAL LOG DATA

(\* - indicates only 1992 sample data)

FILE=93LHALF

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

Produced by GEO-LOGIC SYSTEM and QUATTRO PRO

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

Length Weighted

Detection Limit Samples Ignored

No Recovery Weighting Used

NORMAL DATA

(\* - indicates only 1992 sample data)

FILE=93STAT

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

Produced by GEO-LOGIC SYSTEM and QUATTRO PRO

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

Length Weighted

Detection Limit Samples Ignored

No Recovery Weighting Used

NORMAL DATA

(\* - indicates only 1992 sample data)

FILE=93STAT

| element | ROCK TYPE -> URSU 65 |             |        |         | ROCK TYPE -> JAZZ 112 |             |         |         | ROCK TYPE -> RAM 80 |             |          |         |
|---------|----------------------|-------------|--------|---------|-----------------------|-------------|---------|---------|---------------------|-------------|----------|---------|
|         | mean                 | stand. Dev. | 95 %   | Samples | mean                  | stand. Dev. | 95 %    | Samples | mean                | stand. Dev. | 95 %     | Samples |
| AU ppb  | 77.22                | 103.87      | 270.63 | 27      | 56.33                 | 87.08       | 250     | 90      | 108.82              | 130.50      | 430.50   | 34      |
| AG PPM  | 2.03                 | 2.61        | 10.01  | 12      | 2.23                  | 1.73        | 5.35    | 22      | 2.69                | 3.00        | 10.88    | 20      |
| AL %    | 5.75                 | 2.4         | 9.35   | 65      | 6.3                   | 1.62        | 8.08    | 112     | 6.84                | 1.30        | 8.24     | 80      |
| BA PPM  | 653.23               | 736.87      | 1750   | 65      | 1024.46               | 721.19      | 1880    | 112     | 987.09              | 983.48      | 2512.50  | 79      |
| BE PPM  | 1.85                 | 2.15        | 7.97   | 10      | 1.79                  | 1.62        | 5.46    | 7       | 1.02                | 0.53        | 2.07     | 24      |
| BI PPM  | 6.27                 | 5.3         | 11.85  | 22      | 5.62                  | 6.07        | 15.98   | 47      | 9.04                | 13.77       | 22.75    | 50      |
| CA %    | 4.45                 | 3.82        | 14.06  | 64      | 3.79                  | 3.21        | 10.88   | 108     | 2.98                | 1.80        | 5.85     | 80      |
| CD PPM  | 0.5                  | 0           | 0.5    | 7       | 1.29                  | 3.51        | 3.02    | 33      | 0.61                | 0.27        | 1.25     | 33      |
| CO PPM  | 40.23                | 131.02      | 131.25 | 65      | 41.14                 | 106.61      | 120.62  | 107     | 66.53               | 267.71      | 108.33   | 80      |
| CR PPM  | 87.31                | 68.78       | 191.25 | 65      | 56.78                 | 41.6        | 105.67  | 112     | 86.51               | 46.93       | 140.00   | 80      |
| CUG PPM | 1688.53              | 2801.52     | 9940   | 64      | 1938.59               | 3369.46     | 9803.33 | 112     | 2328.47             | 3753.79     | 10137.29 | 79      |
| CUA %   | 3.89                 | 0.84        | 5.05   | 4       | 2.09                  | 0.82        | 3.58    | 11      | 2.60                | 1.56        | 6.16     | 12      |
| FE %    | 5.86                 | 3.03        | 12.56  | 65      | 6.71                  | 3.6         | 13.75   | 109     | 5.90                | 3.58        | 10.80    | 80      |
| K %     | 2.14                 | 1.54        | 4.75   | 65      | 5.45                  | 2.33        | 8.94    | 110     | 4.08                | 2.13        | 7.18     | 79      |
| MG %    | 2.41                 | 1.79        | 6.47   | 65      | 2.38                  | 2.1         | 5.77    | 109     | 1.92                | 1.08        | 3.83     | 80      |
| MN PPM  | 3293.75              | 1891.07     | 6300   | 60      | 1829.28               | 1103.06     | 3845    | 111     | 1039.50             | 508.24      | 1950.00  | 80      |
| MO PPM  | 6.13                 | 7.54        | 17.7   | 46      | 16.77                 | 42.46       | 61      | 78      | 65.02               | 253.15      | 256.75   | 41      |
| NA %    | 1.84                 | 1.69        | 5.18   | 63      | 0.56                  | 0.81        | 2.59    | 82      | 1.36                | 1.18        | 3.90     | 80      |
| NJ 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

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

Length Weighted

Detection Limit Samples Ignored

No Recovery Weighting Used

## NORMAL DATA

(\* - indicates only 1992 sample data)

FILE=93STAT

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

Produced by GEO-LOGIC SYSTEM and QUATTRO PRO

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

Length Weighted

Detection Limit Samples Ignored

No Recovery Weighting Used

NORMAL DATA

(\* - indicates only 1992 sample data)

FILE=93STAT

| element | ROCK TYPE -> ARCT 25 |             |         |         | ROCK TYPE -> REID 19 |             |          |         | ROCK TYPE -> EAGL 22 |             |          |         |
|---------|----------------------|-------------|---------|---------|----------------------|-------------|----------|---------|----------------------|-------------|----------|---------|
|         | mean                 | stand. Dev. | 95 %    | Samples | mean                 | stand. Dev. | 95 %     | Samples | mean                 | stand. Dev. | 95 %     | Samples |
| AU ppb  | 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      |
| NJ 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       |
| PIR     | 5.3                  | 5.07        | 20.63   | 25      | 3.75                 | 3           | 8.81     | 5       | 0.00                 | 0.00        | 0.00     | 0       |
| LTR     | 2.29                 | 2.24        | 7.89    | 13      | 2.72                 | 0.71        | 3.49     | 5       | 0.00                 | 0.00        | 0.00     | 0       |
| WMT     | 5.58                 | 10.83       | 37.62   | 19      | 13.92                | 14.28       | 34.47    | 3       | 0.00                 | 0.00        | 0.00     | 0       |

Produced by GEO-LOGIC SYSTEM and QUATTRO PRO

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

Length Weighted

Detection Limit Samples Ignored

No Recovery Weighting Used

NORMAL DATA

(\* - indicates only 1992 sample data)

FILE=93STAT

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

Produced by GEO-LOGIC SYSTEM and QUATTRO PRO

TABLE #2

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

Length Weighted

1/2 Detection Limit Used

No Recovery Weighting Used

## NORMAL DATA

(\* - indicates only 1992 sample data)

FILE=93STATDT

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

Produced by GEO-LOGIC SYSTEM and QUATTRO PRO

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

Length Weighted

1/2 Detection Limit Used

No Recovery Weighting Used

NORMAL DATA

(\* - indicates only 1992 sample data)

FILE=93STATDT

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

Produced by GEO-LOGIC SYSTEM and QUATTRO PRO

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

Length Weighted

1/2 Detection Limit Used

No Recovery Weighting Used

NORMAL DATA

(\* - indicates only 1992 sample data)

FILE=93STATDT

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

Produced by GEO-LOGIC SYSTEM and QUATTRO PRO

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

Length Weighted

1/2 Detection Limit Used

No Recovery Weighting Used

NORMAL DATA

(\* - indicates only 1992 sample data)

FILE=93STATDT

| element | ROCK TYPE -> 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  | 3.21                 | 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

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

Length Weighted

1/2 Detection Limit Used

No Recovery Weighting Used

NORMAL DATA

(\* - indicates only 1992 sample data)

FILE=93STATDT

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

Produced by GEO-LOGIC SYSTEM and QUATTRO PRO

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

Length Weighted

1/2 Detection Limit Used

No Recovery Weighting Used

NORMAL DATA

(\* - indicates only 1992 sample data)

FILE=93STATDT

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

Produced by GEO-LOGIC SYSTEM and QUATTRO PRO

TABLE #3

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

Length Weighted

Detection Limit Samples Ignored

No Recovery Weighting Used

## NATURAL LOG DATA

(\* - indicates only 1992 sample data)

FILE=93STATDT

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

Produced by GEO-LOGIC SYSTEM and QUATTRO PRO

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

Length Weighted

Detection Limit Samples Ignored

No Recovery Weighting Used

NATURAL LOG DATA

(\* - indicates only 1992 sample data)

FILE=93STATDT

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

Produced by GEO-LOGIC SYSTEM and QUATTRO PRO

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

Length Weighted

Detection Limit Samples Ignored

No Recovery Weighting Used

NATURAL LOG DATA

(\* - indicates only 1992 sample data)

FILE=93STATDT

| element | ROCK TYPE -> URSU |             |         |         | 65 | ROCK TYPE -> JAZZ |             |          |         | 112 | ROCK TYPE -> RAM |             |         |         | 80 |
|---------|-------------------|-------------|---------|---------|----|-------------------|-------------|----------|---------|-----|------------------|-------------|---------|---------|----|
|         | mean              | stand. Dev. | 95 %    | Samples |    | mean              | stand. Dev. | 95 %     | Samples |     | mean             | stand. Dev. | 95 %    | Samples |    |
| AU ppb  | 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

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

Produced by GEO-LOGIC SYSTEM and QUATTRO PRO

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

Length Weighted

Detection Limit Samples Ignored

No Recovery Weighting Used

NATURAL LOG DATA

(\* - indicates only 1992 sample data)

FILE=93STATDT

| element | ROCK TYPE -> ARCT |             |         |         | ROCK TYPE -> REID |             |         |         | ROCK TYPE -> EAGL |             |           |         |
|---------|-------------------|-------------|---------|---------|-------------------|-------------|---------|---------|-------------------|-------------|-----------|---------|
|         | 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       |
| PIR     | 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

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

Length Weighted

Detection Limit Samples Ignored

No Recovery Weighting Used

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

FILE=93STATDT

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

Produced by GEO-LOGIC SYSTEM and QUATTRO PRO

TABLE #4

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

Length Weighted

1/2 Detection Limit Used

No Recovery Weighting Used

## NATURAL LOG DATA

(\* - indicates only 1992 sample data)

FILE=93STATDT

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

Produced by GEO-LOGIC SYSTEM and QUATTRO PRO

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

Length Weighted

1/2 Detection Limit Used

No Recovery Weighting Used

NATURAL LOG DATA

(\* - indicates only 1992 sample data)

FILE=93STATDT

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

Produced by GEO-LOGIC SYSTEM and QUATTRO PRO

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

Length Weighted

1/2 Detection Limit Used

No Recovery Weighting Used

NATURAL LOG DATA

(\* - indicates only 1992 sample data)

FILE=93STATDT

| element | ROCK TYPE -> URSU 65 |             |         |         | ROCK TYPE -> JAZZ 112 |             |          |         | ROCK TYPE -> RAM 80 |             |          |         |
|---------|----------------------|-------------|---------|---------|-----------------------|-------------|----------|---------|---------------------|-------------|----------|---------|
|         | mean                 | stand. Dev. | 95 %    | Samples | mean                  | stand. Dev. | 95 %     | Samples | mean                | stand. Dev. | 95 %     | Samples |
| AU ppb  | 23.43                | 1.53        | 204.13  | 65      | 44.79                 | 1.37        | 196.48   | 112     | 37.98               | 1.71        | 298.42   | 80      |
| AG PPM  | 0.27                 | 1.05        | 1.65    | 65      | 0.34                  | 1.16        | 2.83     | 112     | 0.46                | 1.30        | 3.69     | 80      |
| AL %    | 6.57                 | 0.81        | 9.53    | 65      | 6.61                  | 0.5         | 8.13     | 112     | 7.17                | 0.44        | 8.44     | 80      |
| BA PPM  | 657.32               | 0.95        | 1853.95 | 65      | 1171.02               | 0.91        | 2046.41  | 112     | 1335.62             | 1.22        | 2127.74  | 80      |
| BE PPM  | 0.4                  | 0.66        | 1.27    | 65      | 0.31                  | 0.44        | 0.49     | 112     | 0.45                | 0.65        | 1.51     | 80      |
| BI PPM  | 2.47                 | 0.85        | 7.93    | 65      | 2.57                  | 0.84        | 8.79     | 112     | 5.57                | 1.06        | 13.53    | 80      |
| CA %    | 6.88                 | 1.46        | 13.54   | 65      | 6.11                  | 1.4         | 10.15    | 112     | 3.65                | 1.04        | 5.79     | 80      |
| CD PPM  | 0.28                 | 0.21        | 0.46    | 65      | 0.4                   | 0.6         | 1.02     | 112     | 0.39                | 0.45        | 0.88     | 80      |
| CO PPM  | 27.36                | 1.13        | 110.93  | 65      | 35.09                 | 1.53        | 113.1    | 112     | 36.27               | 0.97        | 94.66    | 80      |
| CR PPM  | 100.89               | 0.93        | 217.34  | 65      | 66.22                 | 1.08        | 112.66   | 112     | 86.29               | 0.45        | 142.22   | 80      |
| CUG PPM | 5850.93              | 2.73        | 8593.22 | 65      | 6512.35               | 2.84        | 13633.46 | 112     | 9855.29             | 3.09        | 16614.71 | 80      |
| CUA %   | 3.89                 | 0.22        | 5.23    | 4       | 2.09                  | 0.4         | 3.68     | 11      | 2.59                | 0.58        | 6.69     | 12      |
| FE %    | 5.88                 | 0.51        | 12.48   | 65      | 10.59                 | 1.24        | 13.79    | 112     | 5.92                | 0.55        | 10.75    | 80      |
| K %     | 2.55                 | 1.1         | 4.61    | 65      | 8.01                  | 1.17        | 9.48     | 112     | 6.40                | 1.31        | 7.65     | 80      |
| MG %    | 2.62                 | 0.89        | 6.63    | 65      | 3.12                  | 1.15        | 5.72     | 112     | 2.08                | 0.75        | 3.98     | 80      |
| MN PPM  | 22127.51             | 2.43        | 7508.44 | 65      | 2344.45               | 1.02        | 4105.17  | 112     | 1109.96             | 0.69        | 1855.41  | 80      |
| MO PPM  | 4.32                 | 1.21        | 19.3    | 65      | 9.45                  | 1.58        | 42.99    | 112     | 9.20                | 1.82        | 115.03   | 80      |
| NA %    | 3.16                 | 1.69        | 5.43    | 65      | 0.7                   | 2.01        | 2.45     | 112     | 1.65                | 1.21        | 3.88     | 80      |
| NJ 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      |
| FIR     | 6.49                 | 1.1         | 37.34   | 65      | 4.21                  | 1.13        | 10.45    | 112     | 2.33                | 0.73        | 5.91     | 80      |
| PTR     | 7.14                 | 1.05        | 28.83   | 65      | 7.37                  | 1.34        | 16.86    | 112     | 3.48                | 0.93        | 7.90     | 80      |
| LTR     | 3.12                 | 1.17        | 9.29    | 65      | 3.13                  | 1.17        | 9.36     | 112     | 1.86                | 1.05        | 6.77     | 80      |
| WMT     | 2.83                 | 1.53        | 21.07   | 65      | 2.69                  | 1.19        | 12.41    | 112     | 3.54                | 1.65        | 22.91    | 80      |

Produced by GEO-LOGIC SYSTEM and QUATTRO PRO

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

Length Weighted

1/2 Detection Limit Used

No Recovery Weighting Used

NATURAL LOG DATA

(\* - indicates only 1992 sample data)

FILE=93STATDT

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

Produced by GEO-LOGIC SYSTEM and QUATTRO PRO

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

Length Weighted

1/2 Detection Limit Used

No Recovery Weighting Used

NATURAL LOG DATA

(\* - indicates only 1992 sample data)

FILE=93STATDT

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

Produced by GEO-LOGIC SYSTEM and QUATTRO PRO

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

Length Weighted

1/2 Detection Limit Used

No Recovery Weighting Used

## NATURAL LOG DATA

(\* - indicates only 1992 sample data)

FILE=93STATDT

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

Produced by GEO-LOGIC SYSTEM and QUATTRO PRO

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  | -0.035 | -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   |        |        |        |        |        |        |        |        |        |        |       |        |        |      |
| MO   | -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  | -0.003 | -0.007 | -0.062 | -0.006 | 0.056  | -0.013 | 0.153  | -0.028 | 0.064  | -0.027 | -0.046 | -0.036 | 1      |        |        |        |        |        |        |        |       |        |        |      |
| #PRS | 1359   | 1359   | 1359   | 1359   | 1359   | 1359   | 1359   | 1359   | 1359   | 1359   | 1359   | 144    | 1359   | 1359   | 1359   | 1359   | 1359   |        |        |        |        |        |        |        |       |        |        |      |
| NA   | 0.016  | 0.022  | 0.316  | -0.235 | 0.143  | -0.054 | -0.027 | -0.036 | -0.065 | -0.018 | 0.084  | -0.058 | -0.254 | -0.508 | -0.255 | -0.185 | -0.005 | 1      |        |        |        |        |        |        |       |        |        |      |
| #PRS | 1359   | 1359   | 1359   | 1359   | 1359   | 1359   | 1359   | 1359   | 1359   | 1359   | 1359   | 144    | 1359   | 1359   | 1359   | 1359   | 1359   | 1359   |        |        |        |        |        |        |       |        |        |      |
| NI   | 0.114  | 0.067  | -0.092 | -0.048 | -0.01  | 0.374  | -0.057 | 0.819  | 0.23   | -0.036 | 0.031  | 0.041  | 0.108  | -0.079 | -0.018 | 0.006  | 0.002  | -0.049 | 1      |        |        |        |        |        |       |        |        |      |
| #PRS | 1359   | 1359   | 1359   | 1359   | 1359   | 1359   | 1359   | 1359   | 1359   | 1359   | 1359   | 144    | 1359   | 1359   | 1359   | 1359   | 1359   | 1359   | 1359   | 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   | 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   | 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   | 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  | -0.108 | -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   | 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   | 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  | 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  | 0.034  | -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   | 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 | -0.086 | 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   | 1359 |
| U    | 0.016  | 0.064  | -0.049 | -0.035 | -0.009 | 0.006  | 0.121  | 0.009  | 0.005  | -0.078 | 0.135  | -0.011 | -0.03  | -0.022 | 0.079  | 0.009  | 0.183  | -0.044 | -0.004 | -0.02  | 0.082  | 0.036  | -0.064 | -0.016 | 0.106 | 0.037  | -0.046 | 1    |
| #PRS | 1019   | 1019   | 1019   | 1019   | 1019   | 1019   | 1019   | 1019   | 1019   | 1019   | 1019   | 95     | 1019   | 1019   | 1019   | 1019   | 1019   | 1019   | 1019   | 1019   | 1019   | 1019   | 1019   | 1019   | 1019  | 1019   | 1019   | 1019 |

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      |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |       |        |        |      |
| #PRB | 1359   |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |       |        |        |      |
| AG   | 0.491  | 1      |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |       |        |        |      |
| #PRB | 1359   | 1359   |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |       |        |        |      |
| AL   | -0.073 | -0.215 | 1      |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |       |        |        |      |
| #PRB | 1359   | 1359   | 1359   |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |       |        |        |      |
| BA   | -0.101 | -0.234 | 0.37   | 1      |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |       |        |        |      |
| #PRB | 1359   | 1359   | 1359   | 1359   |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |       |        |        |      |
| BE   | 0.051  | -0.044 | 0.161  | 0.028  | 1      |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |       |        |        |      |
| #PRB | 1359   | 1359   | 1359   | 1359   | 1359   |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |       |        |        |      |
| BI   | 0.027  | 0.111  | -0.061 | 0.022  | -0.023 | 1      |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |       |        |        |      |
| #PRB | 1359   | 1359   | 1359   | 1359   | 1359   | 1359   |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |       |        |        |      |
| CA   | -0.11  | -0.203 | 0.023  | 0.09   | -0.064 | 0.04   | 1      |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |       |        |        |      |
| #PRB | 1359   | 1359   | 1359   | 1359   | 1359   | 1359   | 1359   |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |       |        |        |      |
| CD   | -0.026 | 0.104  | -0.037 | -0.06  | -0.026 | 0.148  | 0.088  | 1      |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |       |        |        |      |
| #PRB | 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      |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |       |        |        |      |
| #PRB | 1359   | 1359   | 1359   | 1359   | 1359   | 1359   | 1359   | 1359   | 1359   |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |       |        |        |      |
| CR   | -0.036 | -0.04  | 0.261  | 0.202  | 0.106  | 0.017  | 0.149  | 0.143  | 0.356  | 1      |        |        |        |        |        |        |        |        |        |        |        |        |        |        |       |        |        |      |
| #PRB | 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      |        |        |        |        |        |        |        |        |        |        |        |        |        |       |        |        |      |
| #PRB | 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      |        |        |        |        |        |        |        |        |        |        |        |        |       |        |        |      |
| #PRB | 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      |        |        |        |        |        |        |        |        |        |        |        |       |        |        |      |
| #PRB | 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  | -0.186 | -0.077 | 0.09   | 1      |        |        |        |        |        |        |        |        |        |        |       |        |        |      |
| #PRB | 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      |        |        |        |        |        |        |        |        |        |       |        |        |      |
| #PRB | 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 | -0.036 | -0.015 | 0.237  | 0.136  | 0.173  | 1      |        |        |        |        |        |        |        |        |       |        |        |      |
| #PRB | 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    | -0.039 | 0.371  | -0.009 | 0.135  | 0.016  | -0.029 | -0.067 | 1      |        |        |        |        |        |        |        |       |        |        |      |
| #PRB | 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      |        |        |        |        |        |        |       |        |        |      |
| #PRB | 1359   | 1359   | 1359   | 1359   | 1359   | 1359   | 1359   | 1359   | 1359   | 1359   | 1359   | 144    | 1359   | 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      |        |        |        |        |        |       |        |        |      |
| #PRB | 1359   | 1359   | 1359   | 1359   | 1359   | 1359   | 1359   | 1359   | 1359   | 1359   | 1359   | 144    | 1359   | 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  | -0.008 | 0.18   | 0.068  | 0.164  | 0.025  | 1      |        |        |        |        |       |        |        |      |
| #PRB | 1359   | 1359   | 1359   | 1359   | 1359   | 1359   | 1359   | 1359   | 1359   | 1359   | 1359   | 144    | 1359   | 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   | -0.039 | -0.098 | 0.102  | -0.044 | 0.123  | -0.143 | 1      |        |        |        |       |        |        |      |
| #PRB | 1359   | 1359   | 1359   | 1359   | 1359   | 1359   | 1359   | 1359   | 1359   | 1359   | 1359   | 144    | 1359   | 1359   | 1359   | 1359   | 1359   | 1359   | 1359   | 1359   | 1359   | 1359   |        |        |       |        |        |      |
| SR   | 0      | -0.189 | 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      |        |        |       |        |        |      |
| #PRB | 1359   | 1359   | 1359   | 1359   | 1359   | 1359   | 1359   | 1359   | 1359   | 1359   | 1359   | 144    | 1359   | 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      |        |       |        |        |      |
| #PRB | 1359   | 1359   | 1359   | 1359   | 1359   | 1359   | 1359   | 1359   | 1359   | 1359   | 1359   | 144    | 1359   | 1359   | 1359   | 1359   | 1359   | 1359   | 1359   | 1359   | 1359   | 1359   | 1359   | 1359   |       |        |        |      |
| V    | -0.064 | -0.21  | 0.361  | 0.239  | -0.089 | -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      |       |        |        |      |
| #PRB | 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  |        |        |      |
| 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     |        |        |      |
| #PRB | 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   |        |      |
| 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      |        |      |
| #PRB | 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   |      |
| 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  | 0.008  | -0.108 | 0.24   | -0.069 | 0.098  | 0.208  | -0.067 | -0.188 | 0.091  | 0.094  | 0.117 | -0.027 | 1      |      |
| #PRB | 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 | -0.098 | 0.233  | 0.034  | -0.064 | -0.031 | 0.149 | 0.107  | -0.263 | 1    |
| #PRB | 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 -----> MICA  
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 | 140    |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |       |       |     |
| AG   | 0.417  | 1      |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |       |       |     |
| #PRS | 140    | 140    |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |       |       |     |
| AL   | -0.435 | -0.283 | 1      |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |       |       |     |
| #PRS | 140    | 140    | 140    |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |       |       |     |
| BA   | -0.136 | -0.088 | 0.352  | 1      |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |       |       |     |
| #PRS | 140    | 140    | 140    | 140    |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |       |       |     |
| BE   | -0.069 | -0.033 | 0.265  | 0.039  | 1      |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |       |       |     |
| #PRS | 140    | 140    | 140    | 140    | 140    |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |       |       |     |
| BI   | 0.365  | 0.993  | -0.256 | -0.077 | -0.035 | 1      |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |       |       |     |
| #PRS | 140    | 140    | 140    | 140    | 140    | 140    |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |       |       |     |
| CA   | 0.188  | -0.088 | -0.447 | -0.189 | -0.215 | -0.091 | 1      |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |       |       |     |
| #PRS | 140    | 140    | 140    | 140    | 140    | 140    | 140    |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |       |       |     |
| CD   | 0.234  | -0.014 | -0.101 | -0.056 | -0.015 | -0.027 | 0.185  | 1      |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |       |       |     |
| #PRS | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |       |       |     |
| CO   | 0.298  | 0.036  | -0.423 | -0.195 | -0.073 | 0.001  | -0.004 | -0.05  | 1      |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |       |       |     |
| #PRS | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |       |       |     |
| CR   | -0.082 | -0.131 | 0.267  | 0.128  | 0.202  | -0.126 | -0.312 | 0.012  | 0.053  | 1      |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |       |       |     |
| #PRS | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |       |       |     |
| CUG  | 0.507  | 0.348  | -0.368 | -0.144 | -0.045 | 0.326  | 0.186  | 0.035  | -0.004 | -0.207 | 1      |        |        |        |        |        |        |        |        |        |        |        |        |        |        |       |       |     |
| #PRS | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    |        |        |        |        |        |        |        |        |        |        |        |        |        |        |       |       |     |
| CUA  | 0.217  | 0.977  | -0.05  | -0.049 | 0      | 0.974  | -0.111 | -0.027 | 0.003  | -0.04  | 0      | 1      |        |        |        |        |        |        |        |        |        |        |        |        |        |       |       |     |
| #PRS | 7      | 7      | 7      | 7      | 7      | 7      | 7      | 7      | 7      | 7      | 7      | 7      |        |        |        |        |        |        |        |        |        |        |        |        |        |       |       |     |
| FE   | 0.563  | 0.413  | -0.371 | -0.165 | -0.181 | 0.381  | -0.031 | 0.046  | 0.342  | -0.063 | 0.293  | 0.196  | 1      |        |        |        |        |        |        |        |        |        |        |        |        |       |       |     |
| #PRS | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    |        |        |        |        |        |        |        |        |        |        |        |        |       |       |     |
| K    | -0.244 | -0.164 | 0.6    | 0.648  | 0.049  | -0.152 | -0.332 | -0.087 | -0.301 | 0.135  | -0.24  | -0.056 | -0.214 | 1      |        |        |        |        |        |        |        |        |        |        |        |       |       |     |
| #PRS | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 7      | 140    | 140    |        |        |        |        |        |        |        |        |        |        |        |       |       |     |
| MG   | 0.009  | -0.133 | -0.276 | -0.102 | -0.176 | -0.137 | 0.791  | 0.018  | -0.164 | -0.266 | 0.196  | -0.108 | -0.121 | -0.199 | 1      |        |        |        |        |        |        |        |        |        |        |       |       |     |
| #PRS | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 7      | 140    | 140    | 140    |        |        |        |        |        |        |        |        |        |        |       |       |     |
| MN   | -0.01  | -0.033 | -0.266 | -0.235 | -0.174 | -0.045 | 0.26   | 0.176  | 0.365  | -0.094 | 0.082  | -0.048 | 0.248  | -0.273 | 0.024  | 1      |        |        |        |        |        |        |        |        |        |       |       |     |
| #PRS | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 7      | 140    | 140    | 140    | 140    |        |        |        |        |        |        |        |        |        |       |       |     |
| MO   | 0.446  | 0.074  | -0.304 | -0.15  | -0.046 | 0.01   | -0.015 | -0.022 | 0.589  | 0.068  | 0.109  | -0.024 | 0.376  | -0.213 | -0.088 | 0.254  | 1      |        |        |        |        |        |        |        |        |       |       |     |
| #PRS | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 7      | 140    | 140    | 140    | 140    | 140    |        |        |        |        |        |        |        |        |       |       |     |
| NA   | -0.148 | -0.079 | 0.295  | -0.212 | -0.153 | -0.052 | 0.016  | -0.082 | -0.133 | 0.193  | -0.122 | -0.004 | -0.18  | -0.378 | -0.008 | -0.009 | -0.11  | 1      |        |        |        |        |        |        |        |       |       |     |
| #PRS | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 7      | 140    | 140    | 140    | 140    | 140    | 140    |        |        |        |        |        |        |        |       |       |     |
| NI   | 0.344  | 0.5    | -0.526 | -0.228 | -0.099 | 0.487  | -0.043 | -0.062 | 0.762  | -0.098 | 0.244  | 0.397  | 0.572  | -0.352 | -0.184 | 0.316  | 0.284  | -0.192 | 1      |        |        |        |        |        |        |       |       |     |
| #PRS | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 7      | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    |        |        |        |        |        |       |       |     |
| P    | -0.009 | -0.043 | -0.37  | -0.136 | -0.123 | -0.053 | -0.091 | 0.016  | 0.308  | -0.128 | -0.084 | -0.024 | 0.355  | -0.249 | -0.187 | 0.209  | 0.256  | -0.102 | 0.328  | 1      |        |        |        |        |        |       |       |     |
| #PRS | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 7      | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    |        |        |        |        |       |       |     |
| PB   | 0.084  | 0.103  | -0.047 | -0.078 | -0.051 | 0.092  | 0.108  | 0.658  | 0.115  | 0.03   | 0.025  | 0.079  | 0.006  | -0.092 | -0.039 | 0.339  | 0.066  | -0.049 | 0.091  | 0.065  | 1      |        |        |        |        |       |       |     |
| #PRS | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 7      | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    |        |        |        |       |       |     |
| SR   | -0.051 | -0.137 | -0.017 | 0.563  | -0.136 | -0.123 | 0.346  | 0.103  | -0.05  | 0.016  | 0.065  | -0.076 | -0.097 | 0.01   | 0.247  | 0.018  | -0.066 | 0.18   | -0.086 | -0.058 | 0.034  | 1      |        |        |        |       |       |     |
| #PRS | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 7      | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    |        |        |       |       |     |
| TI   | -0.201 | -0.123 | 0.497  | 0.234  | 0.144  | -0.105 | -0.235 | 0.055  | -0.208 | 0.665  | -0.251 | -0.026 | -0.156 | 0.283  | -0.071 | -0.214 | -0.167 | 0.205  | -0.269 | -0.219 | -0.03  | 0.105  | 1      |        |        |       |       |     |
| #PRS | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 7      | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    |        |       |       |     |
| V    | -0.068 | -0.069 | -0.137 | -0.1   | -0.037 | -0.074 | -0.053 | 0.001  | -0.043 | -0.187 | 0.089  | -0.078 | 0.343  | -0.198 | 0.05   | -0.008 | 0.001  | -0.06  | 0.089  | 0.697  | 0.009  | -0.022 | -0.004 | 1      |        |       |       |     |
| #PRS | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 7      | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    |       |       |     |
| W    | 0.196  | -0.028 | -0.345 | -0.148 | -0.096 | -0.042 | 0.284  | 0.137  | 0.148  | -0.035 | 0.438  | -0.098 | 0.181  | -0.207 | 0.21   | 0.241  | 0.194  | -0.068 | 0.115  | 0.002  | 0.011  | 0.254  | -0.083 | -0.054 | 1      |       |       |     |
| #PRS | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 7      | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140   |       |     |
| ZN   | 0.16   | 0.209  | -0.128 | -0.106 | -0.067 | 0.198  | 0.146  | 0.725  | 0.048  | -0.009 | 0.198  | 0.137  | 0.132  | -0.135 | 0.015  | 0.361  | 0.089  | -0.097 | 0.13   | 0.058  | 0.902  | 0.061  | -0.052 | 0.076  | 0.197  | 1     |       |     |
| #PRS | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 7      | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140   | 140   |     |
| LA   | -0.02  | -0.053 | -0.137 | -0.042 | 0.007  | -0.037 | -0.08  | 0.017  | 0.123  | 0.03   | -0.083 | -0.043 | 0.068  | -0.154 | -0.135 | 0.019  | 0.083  | 0.096  | 0.081  | 0.443  | -0.036 | -0.012 | -0.052 | 0.238  | -0.014 | -0.06 | 1     |     |
| #PRS | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 7      | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140   | 140   |     |
| U    | 0.089  | 0.012  | -0.108 | -0.141 | -0.068 | -0.008 | 0.251  | 0.127  | 0.144  | -0.137 | 0.388  | 0.07   | 0.133  | -0.104 | 0.164  | 0.352  | 0.268  | -0.046 | 0.106  | -0.031 | 0.214  | 0.194  | -0.187 | 0.008  | 0.772  | 0.392 | -0.14 | 1   |
| #PRS | 113    | 113    | 113    | 113    | 113    | 113    | 113    | 113    | 113    | 113    | 113    | 4      | 113    | 113    | 113    | 113    | 113    | 113    | 113    | 113    | 113    | 113    | 113    | 113    | 113    | 113   | 113   | 113 |
|      | AU     | AG     | AL     | BA     | BE     | BI     | CA     | CD     | CO     | CR     | CUG    | CUA    | FE     | K      | MG     | MN     | MO     | NA     | NI     | P      |        |        |        |        |        |       |       |     |

Produced by GEO-LOGICK SYSTEM and LOTUS123

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

|      | AU     | AG     | AL     | BA     | BE     | BI     | CA     | CD     | CO     | CR     | CUO    | CUA    | FE     | K      | MG     | MN     | MO     | NA     | NI     | P      | PB     | SR     | TI     | V      | W     | ZN    | LA     | U   |
|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|--------|-----|
| AU   | 1      |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |       |       |        |     |
| #FRS | 140    |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |       |       |        |     |
| AG   | 0.496  | 1      |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |       |       |        |     |
| #FRS | 140    | 140    |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |       |       |        |     |
| AL   | -0.399 | -0.536 | 1      |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |       |       |        |     |
| #FRS | 140    | 140    | 140    |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |       |       |        |     |
| BA   | -0.332 | -0.382 | 0.759  | 1      |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |       |       |        |     |
| #FRS | 140    | 140    | 140    | 140    |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |       |       |        |     |
| BE   | -0.141 | -0.105 | 0.153  | 0.141  | 1      |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |       |       |        |     |
| #FRS | 140    | 140    | 140    | 140    | 140    |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |       |       |        |     |
| BI   | 0.083  | 0.371  | -0.197 | -0.139 | -0.116 | 1      |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |       |       |        |     |
| #FRS | 140    | 140    | 140    | 140    | 140    | 140    |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |       |       |        |     |
| CA   | -0.035 | -0.16  | 0.086  | -0.029 | -0.379 | 0.006  | 1      |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |       |       |        |     |
| #FRS | 140    | 140    | 140    | 140    | 140    | 140    | 140    |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |       |       |        |     |
| CD   | 0.082  | 0.193  | -0.085 | -0.001 | -0.008 | 0.035  | 0.154  | 1      |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |       |       |        |     |
| #FRS | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |       |       |        |     |
| CO   | 0.503  | 0.436  | -0.269 | -0.364 | -0.141 | 0.171  | 0.006  | 0.176  | 1      |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |       |       |        |     |
| #FRS | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |       |       |        |     |
| CR   | -0.008 | -0.049 | 0.349  | 0.304  | 0.075  | 0.089  | -0.059 | 0.133  | 0.467  | 1      |        |        |        |        |        |        |        |        |        |        |        |        |        |        |       |       |        |     |
| #FRS | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    |        |        |        |        |        |        |        |        |        |        |        |        |        |        |       |       |        |     |
| CUO  | 0.479  | 0.361  | -0.257 | -0.319 | 0.008  | 0.043  | -0.025 | -0.082 | 0.155  | -0.252 | 1      |        |        |        |        |        |        |        |        |        |        |        |        |        |       |       |        |     |
| #FRS | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    |        |        |        |        |        |        |        |        |        |        |        |        |        |       |       |        |     |
| CUA  | 0.036  | 0.211  | -0.254 | -0.088 | 0      | 0.325  | -0.301 | 0.002  | 0.034  | -0.022 | 0      | 1      |        |        |        |        |        |        |        |        |        |        |        |        |       |       |        |     |
| #FRS | 7      | 7      | 7      | 7      | 7      | 7      | 7      | 7      | 7      | 7      | 7      | 7      |        |        |        |        |        |        |        |        |        |        |        |        |       |       |        |     |
| FE   | 0.029  | 0.039  | 0.269  | 0.266  | -0.054 | 0.112  | -0.024 | -0.095 | -0.192 | 0.067  | 0.077  | 0.055  | 1      |        |        |        |        |        |        |        |        |        |        |        |       |       |        |     |
| #FRS | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    |        |        |        |        |        |        |        |        |        |        |        |       |       |        |     |
| K    | -0.269 | -0.382 | 0.758  | 0.874  | 0.135  | -0.147 | -0.005 | -0.091 | -0.289 | 0.284  | -0.318 | -0.277 | 0.256  | 1      |        |        |        |        |        |        |        |        |        |        |       |       |        |     |
| #FRS | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    |        |        |        |        |        |        |        |        |        |        |       |       |        |     |
| MG   | -0.083 | -0.329 | 0.225  | 0.084  | -0.199 | -0.222 | 0.624  | 0.089  | -0.001 | 0.021  | -0.043 | -0.368 | -0.023 | 0.079  | 1      |        |        |        |        |        |        |        |        |        |       |       |        |     |
| #FRS | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    |        |        |        |        |        |        |        |        |        |       |       |        |     |
| MN   | -0.187 | -0.108 | 0.291  | 0.123  | -0.11  | 0.041  | 0.18   | -0.212 | -0.236 | -0.004 | 0.068  | -0.013 | 0.477  | 0.236  | 0.034  | 1      |        |        |        |        |        |        |        |        |       |       |        |     |
| #FRS | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    |        |        |        |        |        |        |        |        |       |       |        |     |
| MO   | 0.579  | 0.466  | -0.212 | -0.294 | -0.11  | 0.148  | -0.052 | -0.023 | 0.615  | 0.055  | 0.458  | -0.035 | -0.042 | -0.252 | -0.076 | -0.067 | 1      |        |        |        |        |        |        |        |       |       |        |     |
| #FRS | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    |        |        |        |        |        |        |        |       |       |        |     |
| NA   | -0.151 | -0.198 | 0.358  | 0.145  | -0.072 | 0.094  | 0.07   | 0.085  | 0.209  | 0.676  | -0.22  | -0.056 | 0.023  | 0.083  | 0.24   | 0.085  | -0.079 | 1      |        |        |        |        |        |        |       |       |        |     |
| #FRS | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    |        |        |        |        |        |        |       |       |        |     |
| NI   | 0.476  | 0.494  | -0.33  | -0.336 | -0.157 | 0.16   | -0.175 | 0.003  | 0.607  | -0.088 | 0.277  | 0.07   | -0.043 | -0.305 | -0.174 | -0.219 | 0.543  | -0.196 | 1      |        |        |        |        |        |       |       |        |     |
| #FRS | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    |        |        |        |        |        |       |       |        |     |
| P    | -0.101 | -0.017 | 0.223  | 0.077  | -0.129 | 0.13   | -0.001 | -0.076 | 0.201  | 0.13   | -0.183 | -0.024 | -0.212 | 0.082  | -0.132 | 0.035  | 0.086  | 0.064  | 0.318  | 1      |        |        |        |        |       |       |        |     |
| #FRS | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    |        |        |        |       |       |        |     |
| PB   | 0.281  | 0.628  | -0.277 | -0.276 | -0.07  | 0.166  | -0.006 | 0.303  | 0.389  | 0.08   | 0.258  | 0.208  | -0.157 | -0.294 | -0.149 | -0.03  | 0.377  | -0.019 | 0.264  | 0.015  | 1      |        |        |        |       |       |        |     |
| #FRS | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    |        |        |       |       |        |     |
| SR   | -0.166 | -0.32  | 0.22   | 0.19   | -0.186 | -0.039 | 0.532  | 0.154  | 0.02   | 0.146  | -0.079 | -0.052 | 0.015  | 0.041  | 0.46   | 0.061  | -0.114 | 0.351  | -0.223 | -0.112 | -0.092 | 1      |        |        |       |       |        |     |
| #FRS | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    |        |       |       |        |     |
| TI   | -0.161 | -0.178 | 0.437  | 0.391  | 0.078  | 0.111  | 0.011  | 0.128  | 0.277  | 0.9    | -0.364 | -0.049 | 0.185  | 0.352  | 0.141  | 0.095  | -0.1   | 0.731  | -0.238 | 0.055  | -0.024 | 0.264  | 1      |        |       |       |        |     |
| #FRS | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    |       |       |        |     |
| V    | -0.192 | -0.398 | 0.499  | 0.279  | 0.01   | -0.383 | 0.046  | 0.087  | -0.118 | -0.082 | -0.01  | -0.089 | 0.044  | 0.172  | 0.318  | 0.071  | 0.078  | 0.043  | 0.031  | 0.235  | -0.133 | 0.151  | 0.014  | 1      |       |       |        |     |
| #FRS | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140   |       |        |     |
| W    | 0.4    | 0.141  | -0.088 | -0.107 | -0.284 | -0.089 | 0.228  | 0.267  | 0.588  | 0.387  | 0.057  | -0.036 | -0.115 | -0.086 | 0.241  | -0.184 | 0.375  | 0.242  | 0.31   | -0.002 | 0.14   | 0.211  | 0.275  | -0.001 | 1     |       |        |     |
| #FRS | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140   | 140   |        |     |
| ZN   | 0.317  | 0.434  | -0.237 | -0.197 | -0.107 | 0.101  | -0.047 | 0.339  | 0.449  | 0.239  | 0.236  | 0.036  | -0.063 | -0.284 | 0.071  | -0.141 | 0.404  | 0.229  | 0.371  | -0.023 | 0.463  | -0.007 | 0.153  | 0.061  | 0.307 | 1     |        |     |
| #FRS | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140   | 140   | 140    |     |
| LA   | -0.039 | -0.056 | 0.177  | 0.14   | 0.06   | 0.061  | -0.079 | 0.003  | 0.166  | 0.276  | -0.223 | -0.056 | -0.183 | 0.073  | 0.005  | -0.223 | 0.037  | 0.18   | 0.085  | 0.462  | 0.006  | -0.059 | 0.217  | 0.12   | 0.113 | 0.057 | 1      |     |
| #FRS | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140    | 140   | 140   | 140    | 140 |
| U    | 0.255  | 0.136  | -0.039 | -0.092 | -0.075 | -0.007 | 0.153  | 0.052  | 0.328  | -0.013 | 0.265  | 0.042  | 0.124  | -0.097 | 0.057  | 0.128  | 0.435  | -0.03  | 0.124  | -0.046 | 0.167  | 0.054  | -0.054 | 0.007  | 0.316 | 0.265 | -0.291 | 1   |
| #FRS | 113    | 113    | 113    | 113    | 113    | 113    | 113    | 113    | 113    | 113    | 113    | 4      | 113    | 113    | 113    | 113    | 113    | 113    | 113    | 113    | 113    | 113    | 113    | 113    | 113   | 113   | 113    | 113 |
| AU   | AG     | AL     | BA     | BE     | BI</   |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |       |       |        |     |

Produced by GEO-LOGICK SYSTEM and LOTUS123

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

|      | AU     | AG     | AL     | BA     | BE | BI     | CA     | CD     | CO     | CR     | CUO    | CUA    | FE     | K      | MG     | MN     | MO     | NA     | NI     | P      | PB     | SR     | TI     | V      | W     | ZN    | LA     | U |
|------|--------|--------|--------|--------|----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|--------|---|
| AU   | 1      |        |        |        |    |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |       |       |        |   |
| #PRS | 50     |        |        |        |    |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |       |       |        |   |
| AG   | 0.466  | 1      |        |        |    |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |       |       |        |   |
| #PRS | 50     | 50     |        |        |    |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |       |       |        |   |
| AL   | -0.091 | -0.038 | 1      |        |    |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |       |       |        |   |
| #PRS | 50     | 50     | 50     |        |    |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |       |       |        |   |
| BA   | -0.221 | -0.196 | 0.295  | 1      |    |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |       |       |        |   |
| #PRS | 50     | 50     | 50     | 50     |    |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |       |       |        |   |
| BE   | 0      | 0      | 0      | 0      | 0  |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |       |       |        |   |
| #PRS | 50     | 50     | 50     | 50     | 50 |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |       |       |        |   |
| BI   | 0.027  | -0.081 | 0.039  | 0.294  | 0  | 1      |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |       |       |        |   |
| #PRS | 50     | 50     | 50     | 50     | 50 | 50     |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |       |       |        |   |
| CA   | -0.093 | 0.057  | -0.791 | -0.339 | 0  | -0.031 | 1      |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |       |       |        |   |
| #PRS | 50     | 50     | 50     | 50     | 50 | 50     | 50     |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |       |       |        |   |
| CD   | -0.046 | -0.009 | 0.078  | 0.024  | 0  | 0.086  | -0.105 | 1      |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |       |       |        |   |
| #PRS | 50     | 50     | 50     | 50     | 50 | 50     | 50     | 50     |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |       |       |        |   |
| CO   | 0.773  | 0.376  | -0.159 | -0.208 | 0  | -0.065 | 0      | -0.157 | 1      |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |       |       |        |   |
| #PRS | 50     | 50     | 50     | 50     | 50 | 50     | 50     | 50     | 50     |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |       |       |        |   |
| CR   | 0.396  | 0.129  | 0.292  | -0.056 | 0  | 0.048  | -0.59  | -0.117 | 0.296  | 1      |        |        |        |        |        |        |        |        |        |        |        |        |        |        |       |       |        |   |
| #PRS | 50     | 50     | 50     | 50     | 50 | 50     | 50     | 50     | 50     | 50     |        |        |        |        |        |        |        |        |        |        |        |        |        |        |       |       |        |   |
| CUO  | 0.389  | 0.422  | -0.119 | -0.158 | 0  | 0.171  | -0.076 | -0.045 | 0.12   | 0.145  | 1      |        |        |        |        |        |        |        |        |        |        |        |        |        |       |       |        |   |
| #PRS | 50     | 50     | 50     | 50     | 50 | 50     | 50     | 50     | 50     | 50     | 50     |        |        |        |        |        |        |        |        |        |        |        |        |        |       |       |        |   |
| CUA  | 0.307  | 0.383  | 0.017  | -0.067 | 0  | 0      | -0.002 | -0.039 | 0.211  | 0.021  | 0      | 1      |        |        |        |        |        |        |        |        |        |        |        |        |       |       |        |   |
| #PRS | 5      | 5      | 5      | 5      | 5  | 5      | 5      | 5      | 5      | 5      | 5      | 5      |        |        |        |        |        |        |        |        |        |        |        |        |       |       |        |   |
| FE   | 0.023  | 0.192  | 0.078  | 0.222  | 0  | 0.242  | -0.282 | 0.166  | -0.126 | 0.145  | 0.45   | 0.015  | 1      |        |        |        |        |        |        |        |        |        |        |        |       |       |        |   |
| #PRS | 50     | 50     | 50     | 50     | 50 | 50     | 50     | 50     | 50     | 50     | 50     | 5      | 50     |        |        |        |        |        |        |        |        |        |        |        |       |       |        |   |
| K    | -0.233 | 0.05   | 0.33   | 0.664  | 0  | 0.086  | -0.409 | 0.136  | -0.191 | 0.021  | -0.146 | 0.008  | 0.404  | 1      |        |        |        |        |        |        |        |        |        |        |       |       |        |   |
| #PRS | 50     | 50     | 50     | 50     | 50 | 50     | 50     | 50     | 50     | 50     | 50     | 5      | 50     | 50     |        |        |        |        |        |        |        |        |        |        |       |       |        |   |
| MG   | -0.053 | 0.033  | -0.717 | -0.405 | 0  | -0.027 | 0.932  | -0.133 | 0.03   | -0.538 | -0.028 | 0.059  | -0.175 | -0.441 | 1      |        |        |        |        |        |        |        |        |        |       |       |        |   |
| #PRS | 50     | 50     | 50     | 50     | 50 | 50     | 50     | 50     | 50     | 50     | 50     | 5      | 50     | 50     | 50     |        |        |        |        |        |        |        |        |        |       |       |        |   |
| MN   | -0.149 | 0.194  | -0.547 | -0.09  | 0  | 0.108  | 0.534  | -0.027 | 0.155  | -0.31  | -0.008 | -0.015 | -0.17  | 0.014  | 0.353  | 1      |        |        |        |        |        |        |        |        |       |       |        |   |
| #PRS | 50     | 50     | 50     | 50     | 50 | 50     | 50     | 50     | 50     | 50     | 50     | 5      | 50     | 50     | 50     | 50     |        |        |        |        |        |        |        |        |       |       |        |   |
| MO   | 0.553  | 0.858  | -0.05  | -0.169 | 0  | -0.083 | 0.091  | -0.089 | 0.503  | 0.067  | 0.348  | 0.707  | 0.064  | 0.071  | 0.08   | 0.239  | 1      |        |        |        |        |        |        |        |       |       |        |   |
| #PRS | 50     | 50     | 50     | 50     | 50 | 50     | 50     | 50     | 50     | 50     | 50     | 5      | 50     | 50     | 50     | 50     | 50     |        |        |        |        |        |        |        |       |       |        |   |
| NA   | 0.067  | -0.083 | 0.415  | -0.29  | 0  | -0.09  | -0.154 | 0.024  | -0.011 | -0.015 | -0.056 | 0      | -0.509 | -0.5   | -0.197 | -0.309 | -0.104 | 1      |        |        |        |        |        |        |       |       |        |   |
| #PRS | 50     | 50     | 50     | 50     | 50 | 50     | 50     | 50     | 50     | 50     | 50     | 5      | 50     | 50     | 50     | 50     | 50     | 50     |        |        |        |        |        |        |       |       |        |   |
| NI   | 0.274  | 0.225  | 0.219  | -0.221 | 0  | -0.147 | -0.186 | -0.035 | 0.412  | 0.251  | 0.121  | 0.327  | 0.198  | -0.109 | 0.073  | -0.259 | 0.281  | -0.041 | 1      |        |        |        |        |        |       |       |        |   |
| #PRS | 50     | 50     | 50     | 50     | 50 | 50     | 50     | 50     | 50     | 50     | 50     | 5      | 50     | 50     | 50     | 50     | 50     | 50     | 50     |        |        |        |        |        |       |       |        |   |
| P    | 0.226  | -0.048 | 0.356  | -0.055 | 0  | 0.145  | -0.41  | 0.279  | 0.019  | 0.376  | 0.149  | -0.029 | -0.196 | -0.08  | -0.452 | -0.276 | -0.089 | 0.526  | -0.072 | 1      |        |        |        |        |       |       |        |   |
| #PRS | 50     | 50     | 50     | 50     | 50 | 50     | 50     | 50     | 50     | 50     | 50     | 5      | 50     | 50     | 50     | 50     | 50     | 50     | 50     | 50     |        |        |        |        |       |       |        |   |
| PB   | -0.037 | -0.072 | 0.321  | -0.127 | 0  | -0.093 | -0.145 | -0.076 | -0.006 | 0.21   | -0.054 | 0      | -0.052 | -0.267 | -0.007 | -0.25  | -0.038 | 0.065  | 0.344  | -0.014 | 1      |        |        |        |       |       |        |   |
| #PRS | 50     | 50     | 50     | 50     | 50 | 50     | 50     | 50     | 50     | 50     | 50     | 5      | 50     | 50     | 50     | 50     | 50     | 50     | 50     | 50     | 50     |        |        |        |       |       |        |   |
| SR   | -0.098 | -0.078 | 0.269  | -0.093 | 0  | -0.069 | 0.034  | -0.08  | -0.073 | 0.002  | -0.117 | -0.027 | -0.182 | -0.356 | 0.154  | -0.225 | -0.061 | 0.154  | 0.301  | -0.088 | 0.894  | 1      |        |        |       |       |        |   |
| #PRS | 50     | 50     | 50     | 50     | 50 | 50     | 50     | 50     | 50     | 50     | 50     | 5      | 50     | 50     | 50     | 50     | 50     | 50     | 50     | 50     | 50     | 50     |        |        |       |       |        |   |
| TI   | 0.34   | 0.223  | 0.318  | 0.223  | 0  | 0.007  | -0.381 | 0.162  | 0.301  | 0.364  | -0.005 | 0.124  | 0.376  | 0.478  | -0.254 | -0.277 | 0.266  | -0.299 | 0.538  | 0.089  | -0.021 | -0.123 | 1      |        |       |       |        |   |
| #PRS | 50     | 50     | 50     | 50     | 50 | 50     | 50     | 50     | 50     | 50     | 50     | 5      | 50     | 50     | 50     | 50     | 50     | 50     | 50     | 50     | 50     | 50     | 50     |        |       |       |        |   |
| V    | -0.263 | -0.125 | 0.281  | 0.283  | 0  | 0.071  | -0.289 | 0.135  | -0.182 | 0.089  | -0.073 | 0.039  | 0.442  | 0.434  | -0.1   | -0.26  | -0.2   | -0.294 | 0.516  | -0.029 | 0.004  | -0.024 | 0.667  | 1      |       |       |        |   |
| #PRS | 50     | 50     | 50     | 50     | 50 | 50     | 50     | 50     | 50     | 50     | 50     | 5      | 50     | 50     | 50     | 50     | 50     | 50     | 50     | 50     | 50     | 50     | 50     | 50     |       |       |        |   |
| W    | 0.38   | 0.556  | -0.105 | -0.153 | 0  | 0.142  | -0.045 | -0.097 | 0.173  | 0.11   | 0.891  | 0.438  | 0.603  | -0.001 | 0.031  | 0.033  | 0.544  | -0.208 | 0.307  | -0.046 | -0.094 | -0.171 | 0.19   | 0.086  | 1     |       |        |   |
| #PRS | 50     | 50     | 50     | 50     | 50 | 50     | 50     | 50     | 50     | 50     | 50     | 5      | 50     | 50     | 50     | 50     | 50     | 50     | 50     | 50     | 50     | 50     | 50     | 50     | 50    |       |        |   |
| ZN   | 0.362  | 0.454  | -0.033 | -0.207 | 0  | 0.049  | -0.039 | -0.036 | 0.224  | 0.084  | 0.748  | 0.306  | 0.522  | -0.067 | 0.13   | -0.113 | 0.483  | -0.148 | 0.601  | -0.019 | 0.004  | -0.042 | 0.308  | 0.29   | 0.843 | 1     |        |   |
| #PRS | 50     | 50     | 50     | 50     | 50 | 50     | 50     | 50     | 50     | 50     | 50     | 5      | 50     | 50     | 50     | 50     | 50     | 50     | 50     | 50     | 50     | 50     | 50     | 50     | 50    | 50    |        |   |
| LA   | 0.204  | -0.058 | 0.218  | -0.292 | 0  | 0.085  | -0.162 | 0.226  | -0.042 | 0.166  | 0.261  | -0.017 | -0.324 | -0.415 | -0.164 | -0.248 | -0.04  | 0.656  | -0.115 | 0.821  | 0.153  | 0.108  | -0.211 | -0.238 | 0.017 | 0.04  | 1      |   |
| #PRS | 50     | 50     | 50     | 50     | 50 | 50     | 50     | 50     | 50     | 50     | 50     | 5      | 50     | 50     | 50     | 50     | 50     | 50     | 50     | 50     | 50     | 50     | 50     | 50     | 50    | 50    | 50     |   |
| U    | 0.034  | 0.183  | -0.697 | -0.413 | 0  | -0.045 | 0.877  | -0.107 | 0.116  | -0.43  | 0.052  | 0.097  | -0.142 | -0.378 | 0.866  | 0.391  | 0.206  | -0.171 | -0.073 | -0.387 | -0.058 | 0.053  | -0.289 | -0.263 | 0.11  | 0.057 | -0.104 | 1 |
| #PRS | 50     | 50     | 50     | 50     | 50 | 50     | 50     | 50     | 50     | 50     | 50     | 5      | 50     | 50     | 50     | 50     | 50     | 50     | 50     | 50     | 50     | 50     | 50     | 50     | 50    | 50    | 50     |   |
|      | AU     | AG     | AL     | BA     | BE | BI     | CA     | CD     | CO     | CR     | CUO    | CUA    | FE     | K      | MG     | MN     | MO     | NA     | NI     | P      | PB     | SR     | TI     | V      | W     | ZN    | LA     | U |

Produced by GEO-LOGICK SYSTEM and LOTUS123

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

|      | AU     | AG     | AL     | BA     | BE     | BI     | CA     | CD     | CO     | CR     | CUO    | CUA    | FE     | K      | MG     | MN     | MO     | NA     | NI     | P      | PB     | SR     | TI     | V      | W     | ZN    | LA     | U |
|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|--------|---|
| AU   | 1      |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |       |       |        |   |
| #PRS | 50     |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |       |       |        |   |
| AG   | 0.312  | 1      |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |       |       |        |   |
| #PRS | 50     | 50     |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |       |       |        |   |
| AL   | 0.068  | 0.061  | 1      |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |       |       |        |   |
| #PRS | 50     | 50     | 50     |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |       |       |        |   |
| BA   | -0.098 | -0.014 | 0.766  | 1      |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |       |       |        |   |
| #PRS | 50     | 50     | 50     | 50     |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |       |       |        |   |
| BE   | 0      | 0.005  | 0.003  | 0.013  | -1     |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |       |       |        |   |
| #PRS | 50     | 50     | 50     | 50     | 50     |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |       |       |        |   |
| BI   | 0.073  | -0.04  | 0.122  | 0.161  | 0      | 1      |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |       |       |        |   |
| #PRS | 50     | 50     | 50     | 50     | 50     | 50     |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |       |       |        |   |
| CA   | -0.271 | -0.023 | -0.471 | -0.2   | 0.001  | -0.009 | 1      |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |       |       |        |   |
| #PRS | 50     | 50     | 50     | 50     | 50     | 50     | 50     |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |       |       |        |   |
| CD   | 0.168  | -0.008 | 0.098  | 0.042  | 0      | 0.087  | -0.11  | 1      |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |       |       |        |   |
| #PRS | 50     | 50     | 50     | 50     | 50     | 50     | 50     | 50     |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |       |       |        |   |
| CO   | 0.368  | 0.071  | -0.073 | -0.064 | 0.004  | -0.116 | 0.123  | -0.199 | 1      |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |       |       |        |   |
| #PRS | 50     | 50     | 50     | 50     | 50     | 50     | 50     | 50     | 50     |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |       |       |        |   |
| CR   | 0.126  | 0.151  | 0.875  | 0.663  | 0.014  | 0.16   | -0.494 | 0.007  | 0.041  | 1      |        |        |        |        |        |        |        |        |        |        |        |        |        |        |       |       |        |   |
| #PRS | 50     | 50     | 50     | 50     | 50     | 50     | 50     | 50     | 50     | 50     |        |        |        |        |        |        |        |        |        |        |        |        |        |        |       |       |        |   |
| CUO  | 0.517  | 0.371  | 0.095  | -0.01  | 0.001  | 0.25   | -0.19  | 0.053  | -0.018 | 0.264  | 1      |        |        |        |        |        |        |        |        |        |        |        |        |        |       |       |        |   |
| #PRS | 50     | 50     | 50     | 50     | 50     | 50     | 50     | 50     | 50     | 50     | 50     |        |        |        |        |        |        |        |        |        |        |        |        |        |       |       |        |   |
| CUA  | 0.039  | 0.019  | 0.01   | -0.015 | 0      | 0      | -0.044 | -0.054 | 0.032  | 0.006  | 0      | 1      |        |        |        |        |        |        |        |        |        |        |        |        |       |       |        |   |
| #PRS | 5      | 5      | 5      | 5      | 5      | 5      | 5      | 5      | 5      | 5      | 5      | 5      |        |        |        |        |        |        |        |        |        |        |        |        |       |       |        |   |
| FE   | 0.015  | 0.198  | 0.239  | 0.457  | 0.01   | 0.184  | -0.152 | 0.125  | -0.122 | 0.267  | 0.331  | 0.004  | 1      |        |        |        |        |        |        |        |        |        |        |        |       |       |        |   |
| #PRS | 50     | 50     | 50     | 50     | 50     | 50     | 50     | 50     | 50     | 50     | 50     | 5      | 50     |        |        |        |        |        |        |        |        |        |        |        |       |       |        |   |
| K    | -0.166 | 0.097  | 0.745  | 0.909  | 0.005  | 0.054  | -0.133 | 0.057  | -0.049 | 0.642  | 0.006  | 0.005  | 0.574  | 1      |        |        |        |        |        |        |        |        |        |        |       |       |        |   |
| #PRS | 50     | 50     | 50     | 50     | 50     | 50     | 50     | 50     | 50     | 50     | 50     | 5      | 50     | 50     |        |        |        |        |        |        |        |        |        |        |       |       |        |   |
| MG   | -0.212 | -0.028 | -0.566 | -0.398 | 0.001  | -0.005 | 0.649  | -0.157 | 0.26   | -0.532 | -0.143 | 0.098  | 0.03   | -0.304 | 1      |        |        |        |        |        |        |        |        |        |       |       |        |   |
| #PRS | 50     | 50     | 50     | 50     | 50     | 50     | 50     | 50     | 50     | 50     | 50     | 5      | 50     | 50     | 50     |        |        |        |        |        |        |        |        |        |       |       |        |   |
| MN   | -0.266 | 0.006  | -0.271 | -0.007 | 0.013  | 0.01   | 0.875  | -0.045 | 0.226  | -0.257 | -0.05  | -0.007 | -0.098 | 0.078  | 0.445  | 1      |        |        |        |        |        |        |        |        |       |       |        |   |
| #PRS | 50     | 50     | 50     | 50     | 50     | 50     | 50     | 50     | 50     | 50     | 50     | 5      | 50     | 50     | 50     | 50     |        |        |        |        |        |        |        |        |       |       |        |   |
| MO   | 0.447  | 0.299  | 0.073  | 0.078  | 0      | -0.051 | 0.016  | -0.06  | 0.442  | 0.079  | 0.225  | 0.32   | 0.029  | 0.14   | -0.062 | 0.127  | 1      |        |        |        |        |        |        |        |       |       |        |   |
| #PRS | 50     | 50     | 50     | 50     | 50     | 50     | 50     | 50     | 50     | 50     | 50     | 5      | 50     | 50     | 50     | 50     | 50     |        |        |        |        |        |        |        |       |       |        |   |
| NA   | 0.211  | 0.022  | 0.424  | 0.076  | -0.001 | 0.063  | -0.234 | -0.07  | -0.022 | 0.237  | -0.212 | 0.002  | -0.399 | -0.048 | -0.324 | -0.355 | -0.135 | 1      |        |        |        |        |        |        |       |       |        |   |
| #PRS | 50     | 50     | 50     | 50     | 50     | 50     | 50     | 50     | 50     | 50     | 50     | 5      | 50     | 50     | 50     | 50     | 50     | 50     |        |        |        |        |        |        |       |       |        |   |
| NI   | 0.144  | 0.108  | 0.332  | 0.172  | 0.005  | -0.135 | -0.192 | -0.054 | 0.554  | 0.343  | -0.031 | 0.093  | 0.163  | 0.209  | 0.245  | -0.201 | 0.145  | 0.132  | 1      |        |        |        |        |        |       |       |        |   |
| #PRS | 50     | 50     | 50     | 50     | 50     | 50     | 50     | 50     | 50     | 50     | 50     | 5      | 50     | 50     | 50     | 50     | 50     | 50     | 50     |        |        |        |        |        |       |       |        |   |
| P    | 0.215  | 0.051  | 0.815  | 0.558  | 0.03   | 0.257  | -0.362 | 0.228  | -0.025 | 0.81   | 0.233  | -0.006 | 0.05   | 0.497  | -0.608 | -0.166 | 0.062  | 0.379  | 0.168  | 1      |        |        |        |        |       |       |        |   |
| #PRS | 50     | 50     | 50     | 50     | 50     | 50     | 50     | 50     | 50     | 50     | 50     | 5      | 50     | 50     | 50     | 50     | 50     | 50     | 50     | 50     |        |        |        |        |       |       |        |   |
| PB   | -0.02  | -0.127 | 0.116  | -0.163 | 0      | -0.059 | -0.308 | -0.035 | 0.043  | 0.131  | -0.108 | 0      | -0.167 | -0.253 | -0.057 | -0.399 | -0.133 | 0.1    | 0.168  | 0.025  | 1      |        |        |        |       |       |        |   |
| #PRS | 50     | 50     | 50     | 50     | 50     | 50     | 50     | 50     | 50     | 50     | 50     | 5      | 50     | 50     | 50     | 50     | 50     | 50     | 50     | 50     | 50     |        |        |        |       |       |        |   |
| SR   | -0.097 | -0.092 | -0.119 | -0.205 | 0.013  | 0      | 0.052  | -0.078 | -0.056 | -0.254 | -0.335 | -0.022 | -0.39  | -0.407 | 0.209  | -0.138 | -0.183 | 0.354  | -0.001 | -0.208 | 0.586  | 1      |        |        |       |       |        |   |
| #PRS | 50     | 50     | 50     | 50     | 50     | 50     | 50     | 50     | 50     | 50     | 50     | 5      | 50     | 50     | 50     | 50     | 50     | 50     | 50     | 50     | 50     | 50     |        |        |       |       |        |   |
| TI   | 0.088  | 0.132  | 0.789  | 0.758  | -0.005 | 0.098  | -0.389 | 0.133  | 0.083  | 0.761  | 0.128  | 0.058  | 0.55   | 0.832  | -0.328 | -0.23  | 0.168  | 0.071  | 0.493  | 0.62   | -0.062 | -0.352 | 1      |        |       |       |        |   |
| #PRS | 50     | 50     | 50     | 50     | 50     | 50     | 50     | 50     | 50     | 50     | 50     | 5      | 50     | 50     | 50     | 50     | 50     | 50     | 50     | 50     | 50     | 50     | 50     |        |       |       |        |   |
| V    | -0.368 | -0.064 | 0.364  | 0.577  | 0.01   | 0.089  | -0.167 | 0.067  | -0.137 | 0.267  | -0.083 | -0.007 | 0.583  | 0.642  | 0.074  | -0.112 | -0.219 | -0.149 | 0.358  | 0.118  | -0.169 | -0.223 | 0.629  | 1      |       |       |        |   |
| #PRS | 50     | 50     | 50     | 50     | 50     | 50     | 50     | 50     | 50     | 50     | 50     | 5      | 50     | 50     | 50     | 50     | 50     | 50     | 50     | 50     | 50     | 50     | 50     | 50     |       |       |        |   |
| W    | 0.455  | 0.313  | 0.059  | -0.015 | 0      | 0.271  | -0.038 | 0.01   | -0.075 | 0.154  | 0.79   | 0.035  | 0.499  | 0.034  | 0.066  | -0.026 | 0.247  | -0.214 | 0.004  | 0.121  | -0.084 | -0.256 | 0.177  | 0.003  | 1     |       |        |   |
| #PRS | 50     | 50     | 50     | 50     | 50     | 50     | 50     | 50     | 50     | 50     | 50     | 5      | 50     | 50     | 50     | 50     | 50     | 50     | 50     | 50     | 50     | 50     | 50     | 50     | 50    |       |        |   |
| ZN   | 0.441  | 0.272  | 0.004  | -0.155 | 0.011  | 0.112  | -0.139 | 0.064  | 0.177  | 0.071  | 0.545  | 0.036  | 0.388  | -0.086 | 0.264  | -0.177 | 0.152  | -0.211 | 0.468  | 0.013  | 0.08   | -0.097 | 0.157  | 0.101  | 0.655 | 1     |        |   |
| #PRS | 50     | 50     | 50     | 50     | 50     | 50     | 50     | 50     | 50     | 50     | 50     | 5      | 50     | 50     | 50     | 50     | 50     | 50     | 50     | 50     | 50     | 50     | 50     | 50     | 50    | 50    |        |   |
| LA   | 0.351  | -0.199 | 0.31   | 0.127  | 0      | 0.263  | -0.497 | 0.275  | -0.212 | 0.269  | 0.305  | -0.079 | -0.113 | -0.043 | -0.473 | -0.411 | -0.066 | 0.253  | -0.145 | 0.492  | 0.196  | 0.102  | 0.161  | -0.044 | 0.103 | 0.066 | 1      |   |
| #PRS | 50     | 50     | 50     | 50     | 50     | 50     | 50     | 50     | 50     | 50     | 50     | 5      | 50     | 50     | 50     | 50     | 50     | 50     | 50     | 50     | 50     | 50     | 50     | 50     | 50    | 50    | 50     |   |
| U    | -0.108 | 0.184  | -0.506 | -0.457 | 0.001  | -0.004 | 0.406  | -0.116 | 0.196  | -0.399 | 0.09   | 0.061  | 0.026  | -0.312 | 0.379  | 0.395  | 0.084  | -0.313 | -0.133 | -0.481 | -0.055 | -0.036 | -0.391 | -0.26  | 0.209 | 0.07  | -0.653 | 1 |
| #PRS | 50     | 50     | 50     | 50     | 50     | 50     | 50     | 50     | 50     | 50     | 50     | 5      | 50     | 50     | 50     | 50     | 50     | 50     | 50     | 50     | 50     | 50     | 50     | 50     | 50    | 50    | 50     |   |
|      | AU     | AG     | AL     | BA     | BE     | BI     | CA     | CD     | CO     | CR     | CUO    | CUA    | FE     | K      | MG     | MN     | MO     | NA     | NI     | P      | PB     | SR     | TI     | V      | W     | ZN    | LA     | U |

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

|      | AU     | AG     | AL     | BA     | BE     | BI     | CA     | CD     | CO     | CR     | CUO    | CUA    | FE     | K      | MG     | MN     | MO     | NA     | NI    | P      | PB     | SR     | TI     | V      | W      | ZN     | LA    | U  |
|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|--------|--------|--------|--------|--------|--------|--------|-------|----|
| AU   | 1      |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |       |        |        |        |        |        |        |        |       |    |
| #PRS | 65     |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |       |        |        |        |        |        |        |        |       |    |
| AG   | 0.7    | 1      |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |       |        |        |        |        |        |        |        |       |    |
| #PRS | 65     | 65     |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |       |        |        |        |        |        |        |        |       |    |
| AL   | -0.189 | -0.243 | 1      |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |       |        |        |        |        |        |        |        |       |    |
| #PRS | 65     | 65     | 65     |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |       |        |        |        |        |        |        |        |       |    |
| BA   | 0.195  | -0.199 | 0.261  | 1      |        |        |        |        |        |        |        |        |        |        |        |        |        |        |       |        |        |        |        |        |        |        |       |    |
| #PRS | 65     | 65     | 65     | 65     |        |        |        |        |        |        |        |        |        |        |        |        |        |        |       |        |        |        |        |        |        |        |       |    |
| BE   | -0.096 | -0.062 | 0.096  | -0.047 | 1      |        |        |        |        |        |        |        |        |        |        |        |        |        |       |        |        |        |        |        |        |        |       |    |
| #PRS | 65     | 65     | 65     | 65     | 65     |        |        |        |        |        |        |        |        |        |        |        |        |        |       |        |        |        |        |        |        |        |       |    |
| BI   | 0.111  | -0.107 | -0.213 | -0.117 | -0.101 | 1      |        |        |        |        |        |        |        |        |        |        |        |        |       |        |        |        |        |        |        |        |       |    |
| #PRS | 65     | 65     | 65     | 65     | 65     | 65     |        |        |        |        |        |        |        |        |        |        |        |        |       |        |        |        |        |        |        |        |       |    |
| CA   | -0.041 | 0.126  | -0.611 | -0.153 | -0.206 | -0.06  | 1      |        |        |        |        |        |        |        |        |        |        |        |       |        |        |        |        |        |        |        |       |    |
| #PRS | 65     | 65     | 65     | 65     | 65     | 65     | 65     |        |        |        |        |        |        |        |        |        |        |        |       |        |        |        |        |        |        |        |       |    |
| CD   | -0.101 | -0.092 | 0.043  | -0.038 | 0.293  | 0.044  | -0.059 | 1      |        |        |        |        |        |        |        |        |        |        |       |        |        |        |        |        |        |        |       |    |
| #PRS | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     |        |        |        |        |        |        |        |        |        |        |       |        |        |        |        |        |        |        |       |    |
| CO   | 0.048  | -0.017 | -0.171 | -0.113 | -0.052 | 0.068  | 0.1    | -0.043 | 1      |        |        |        |        |        |        |        |        |        |       |        |        |        |        |        |        |        |       |    |
| #PRS | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     |        |        |        |        |        |        |        |        |        |       |        |        |        |        |        |        |        |       |    |
| CR   | -0.095 | -0.124 | -0.091 | -0.021 | 0.156  | 0.203  | -0.424 | 0.042  | 0.04   | 1      |        |        |        |        |        |        |        |        |       |        |        |        |        |        |        |        |       |    |
| #PRS | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     |        |        |        |        |        |        |        |        |       |        |        |        |        |        |        |        |       |    |
| CUO  | 0.559  | 0.658  | -0.505 | -0.159 | -0.133 | -0.118 | 0.405  | -0.05  | -0.06  | -0.147 | 1      |        |        |        |        |        |        |        |       |        |        |        |        |        |        |        |       |    |
| #PRS | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     |        |        |        |        |        |        |        |       |        |        |        |        |        |        |        |       |    |
| CUA  | -0.027 | -0.482 | 0.029  | -0.005 | 0      | 0      | -0.026 | 0      | -0.025 | -0.063 | 0      | 1      |        |        |        |        |        |        |       |        |        |        |        |        |        |        |       |    |
| #PRS | 4      | 4      | 4      | 4      | 4      | 4      | 4      | 4      | 4      | 4      | 4      | 4      |        |        |        |        |        |        |       |        |        |        |        |        |        |        |       |    |
| FE   | 0.329  | 0.18   | -0.31  | -0.054 | -0.092 | 0.216  | -0.121 | 0.017  | 0.479  | 0.053  | 0.155  | 0.013  | 1      |        |        |        |        |        |       |        |        |        |        |        |        |        |       |    |
| #PRS | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     |        |        |        |        |        |       |        |        |        |        |        |        |        |       |    |
| K    | -0.166 | -0.214 | 0.414  | 0.222  | -0.011 | -0.226 | -0.189 | 0.006  | -0.165 | -0.044 | -0.212 | 0.035  | -0.213 | 1      |        |        |        |        |       |        |        |        |        |        |        |        |       |    |
| #PRS | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     |        |        |        |        |       |        |        |        |        |        |        |        |       |    |
| MO   | 0.068  | 0.22   | -0.603 | -0.183 | -0.199 | -0.137 | 0.92   | -0.045 | 0.082  | -0.44  | 0.546  | 0.022  | -0.01  | -0.147 | 1      |        |        |        |       |        |        |        |        |        |        |        |       |    |
| #PRS | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     |        |        |        |       |        |        |        |        |        |        |        |       |    |
| MN   | -0.152 | -0.136 | -0.078 | 0.101  | -0.231 | 0.009  | 0.336  | -0.158 | -0.164 | -0.251 | 0.025  | -0.117 | -0.233 | 0.026  | 0.304  | 1      |        |        |       |        |        |        |        |        |        |        |       |    |
| #PRS | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     |        |        |       |        |        |        |        |        |        |        |       |    |
| MO   | 0.363  | 0.014  | -0.016 | 0.524  | -0.101 | 0.334  | -0.127 | -0.177 | -0.017 | -0.005 | -0.084 | -0.065 | 0.321  | -0.05  | -0.136 | 0.03   | 1      |        |       |        |        |        |        |        |        |        |       |    |
| #PRS | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     |        |       |        |        |        |        |        |        |        |       |    |
| NA   | -0.162 | -0.208 | 0.521  | 0.135  | -0.088 | -0.004 | -0.266 | 0.041  | -0.13  | -0.074 | -0.408 | -0.016 | -0.278 | -0.311 | -0.369 | 0.149  | -0.007 | 1      |       |        |        |        |        |        |        |        |       |    |
| #PRS | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     |       |        |        |        |        |        |        |        |       |    |
| NI   | 0.252  | 0.191  | 0.045  | -0.052 | 0.161  | 0.062  | -0.223 | 0.102  | 0.463  | 0.271  | 0.082  | 0.071  | 0.53   | -0.085 | -0.083 | -0.287 | 0.109  | -0.211 | 1     |        |        |        |        |        |        |        |       |    |
| #PRS | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65    |        |        |        |        |        |        |        |       |    |
| P    | -0.254 | -0.331 | 0.163  | 0.011  | 0.592  | 0.148  | -0.337 | 0.256  | -0.107 | 0.111  | -0.515 | -0.006 | 0.092  | 0.071  | -0.398 | -0.098 | 0.179  | 0.188  | 0.002 | 1      |        |        |        |        |        |        |       |    |
| #PRS | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65    | 65     |        |        |        |        |        |        |       |    |
| PB   | 0.09   | 0.227  | 0.018  | -0.049 | 0.082  | 0.119  | 0.018  | -0.119 | 0.047  | 0.047  | 0.121  | -0.048 | -0.174 | -0.029 | 0.019  | -0.055 | 0.124  | -0.24  | 0.123 | -0.252 | 1      |        |        |        |        |        |       |    |
| #PRS | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65    | 65     | 65     |        |        |        |        |        |       |    |
| SR   | -0.001 | -0.022 | -0.228 | 0.062  | -0.018 | 0.017  | 0.181  | -0.062 | -0.014 | -0.17  | 0.05   | -0.004 | -0.113 | -0.156 | 0.165  | 0.298  | -0.042 | -0.098 | -0.11 | -0.173 | -0.011 | 1      |        |        |        |        |       |    |
| #PRS | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65    | 65     | 65     | 65     |        |        |        |        |       |    |
| TI   | -0.278 | -0.177 | 0.598  | 0.231  | 0.173  | -0.18  | -0.364 | 0.146  | -0.215 | 0.121  | -0.443 | -0.068 | -0.209 | 0.622  | -0.383 | 0.027  | -0.061 | 0.105  | 0.027 | 0.265  | -0.024 | -0.199 | 1      |        |        |        |       |    |
| #PRS | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65    | 65     | 65     | 65     | 65     |        |        |        |       |    |
| V    | -0.192 | -0.183 | 0.434  | 0.14   | 0.036  | -0.133 | -0.246 | 0.105  | -0.056 | 0.239  | -0.262 | 0.03   | 0.063  | 0.384  | -0.144 | 0.042  | 0.074  | 0.024  | 0.499 | 0.069  | -0.079 | -0.15  | 0.528  | 1      |        |        |       |    |
| #PRS | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65    | 65     | 65     | 65     | 65     | 65     |        |        |       |    |
| W    | 0.447  | 0.689  | -0.401 | -0.197 | -0.079 | -0.084 | 0.396  | -0.015 | 0.108  | -0.19  | 0.73   | -0.177 | 0.246  | -0.266 | 0.449  | -0.075 | -0.063 | -0.228 | 0.09  | -0.358 | 0.115  | -0.025 | -0.326 | -0.212 | 1      |        |       |    |
| #PRS | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65    | 65     | 65     | 65     | 65     | 65     | 65     | 65     |       |    |
| ZN   | 0.432  | 0.73   | -0.35  | -0.126 | -0.09  | -0.113 | 0.228  | -0.008 | 0.121  | 0.005  | 0.534  | -0.3   | 0.36   | -0.152 | 0.309  | -0.137 | 0.043  | -0.296 | 0.247 | -0.184 | 0.065  | -0.053 | -0.065 | -0.07  | 0.737  | 1      |       |    |
| #PRS | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65    | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65    |    |
| LA   | 0.062  | -0.127 | 0.182  | 0.037  | -0.064 | 0.463  | -0.331 | 0.152  | -0.082 | 0.021  | -0.095 | 0.092  | 0.307  | 0.201  | -0.256 | -0.149 | 0.305  | 0.012  | 0.003 | 0.181  | -0.13  | -0.111 | 0.184  | 0.126  | -0.148 | -0.059 | 1     |    |
| #PRS | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65    | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65    | 65 |
| U    | 0.03   | 0.195  | -0.516 | -0.213 | -0.109 | -0.024 | 0.783  | -0.014 | 0.243  | -0.33  | 0.323  | 0.068  | 0.015  | -0.322 | 0.691  | -0.04  | -0.183 | -0.236 | 0.035 | -0.36  | 0.072  | 0.236  | -0.467 | -0.226 | 0.393  | 0.235  | -0.35 | 1  |
| #PRS | 62     | 62     | 62     | 62     | 62     | 62     | 62     | 62     | 62     | 62     | 62     | 62     | 62     | 62     | 62     | 62     | 62     | 62     | 62    | 62     | 62     | 62     | 62     | 62     | 62     | 62     | 62    | 62 |
|      | AU     | AG     | AL     | BA     | BE     | BI     | CA     | CD     | CO     | CR     | CUO    | CUA    | FE     | K      | MG     | MN     | MO     | NA     | NI    | P      | PB     | SR     | TI     | V      | W      | ZN     | LA    | U  |

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

|      | AU     | AG     | AL     | BA     | BE     | BI     | CA     | CD     | CO     | CR     | CUO    | CUA    | FE     | K      | MG     | MN     | MO     | NA     | NI     | P      | PB     | SR     | TI     | V      | W      | ZN     | LA    | U  |
|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|----|
| AU   | 1      |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |       |    |
| #PRS | 65     |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |       |    |
| AG   | 0.523  | 1      |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |       |    |
| #PRS | 65     | 65     |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |       |    |
| AL   | -0.4   | -0.41  | 1      |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |       |    |
| #PRS | 65     | 65     | 65     |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |       |    |
| BA   | -0.237 | -0.328 | 0.488  | 1      |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |       |    |
| #PRS | 65     | 65     | 65     | 65     |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |       |    |
| BE   | -0.213 | -0.114 | 0.203  | 0.068  | 1      |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |       |    |
| #PRS | 65     | 65     | 65     | 65     | 65     |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |       |    |
| BI   | 0.162  | -0.158 | -0.121 | -0.085 | -0.188 | 1      |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |       |    |
| #PRS | 65     | 65     | 65     | 65     | 65     | 65     |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |       |    |
| CA   | -0.115 | -0.038 | -0.182 | 0.101  | -0.294 | 0.14   | 1      |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |       |    |
| #PRS | 65     | 65     | 65     | 65     | 65     | 65     | 65     |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |       |    |
| CD   | -0.018 | -0.152 | 0.072  | 0.095  | 0.132  | 0.147  | 0.016  | 1      |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |       |    |
| #PRS | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |       |    |
| CO   | 0.287  | -0.057 | -0.084 | 0.033  | -0.095 | 0.284  | 0.053  | 0.077  | 1      |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |       |    |
| #PRS | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |       |    |
| CR   | -0.232 | -0.428 | 0.471  | 0.246  | 0.159  | 0.095  | -0.314 | 0.113  | 0.386  | 1      |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |       |    |
| #PRS | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |       |    |
| CUO  | 0.511  | 0.494  | -0.499 | -0.141 | -0.312 | -0.102 | 0.054  | -0.108 | 0.045  | -0.292 | 1      |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |       |    |
| #PRS | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |       |    |
| CUA  | 0.024  | -0.041 | -0.012 | -0.008 | 0      | 0      | -0.187 | 0      | -0.094 | -0.051 | 0      | 1      |        |        |        |        |        |        |        |        |        |        |        |        |        |        |       |    |
| #PRS | 4      | 4      | 4      | 4      | 4      | 4      | 4      | 4      | 4      | 4      | 4      | 4      |        |        |        |        |        |        |        |        |        |        |        |        |        |        |       |    |
| FE   | 0.371  | 0.205  | -0.079 | -0.081 | -0.255 | -0.129 | -0.143 | 0.098  | 0.397  | 0.076  | 0.162  | 0.005  | 1      |        |        |        |        |        |        |        |        |        |        |        |        |        |       |    |
| #PRS | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     |        |        |        |        |        |        |        |        |        |        |        |        |        |       |    |
| K    | -0.263 | -0.211 | 0.568  | 0.503  | 0.129  | -0.287 | -0.05  | 0.079  | -0.171 | 0.271  | 0.033  | 0.019  | -0.062 | 1      |        |        |        |        |        |        |        |        |        |        |        |        |       |    |
| #PRS | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     |        |        |        |        |        |        |        |        |        |        |        |        |       |    |
| MG   | 0.124  | 0.336  | -0.144 | -0.041 | -0.306 | -0.05  | 0.674  | 0.002  | -0.115 | -0.574 | 0.302  | 0.039  | 0.076  | 0.059  | 1      |        |        |        |        |        |        |        |        |        |        |        |       |    |
| #PRS | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     |        |        |        |        |        |        |        |        |        |        |        |       |    |
| MN   | -0.236 | -0.211 | 0.536  | 0.345  | -0.008 | 0.129  | 0.111  | -0.098 | -0.239 | 0.256  | -0.178 | -0.061 | -0.265 | 0.364  | 0.012  | 1      |        |        |        |        |        |        |        |        |        |        |       |    |
| #PRS | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     |        |        |        |        |        |        |        |        |        |        |       |    |
| MO   | 0.211  | 0.147  | 0.055  | 0.357  | -0.06  | -0.013 | -0.015 | -0.268 | 0.168  | 0.08   | 0.052  | -0.154 | 0.328  | 0.071  | -0.039 | 0.072  | 1      |        |        |        |        |        |        |        |        |        |       |    |
| #PRS | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     |        |        |        |        |        |        |        |        |        |       |    |
| NA   | -0.365 | -0.341 | 0.593  | 0.389  | -0.041 | 0.094  | 0.235  | 0.063  | 0.036  | 0.335  | -0.507 | -0.217 | -0.254 | 0.077  | -0.077 | 0.474  | 0.013  | 1      |        |        |        |        |        |        |        |        |       |    |
| #PRS | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     |        |        |        |        |        |        |        |        |       |    |
| NI   | 0.164  | 0.039  | 0.263  | 0.056  | 0.22   | -0.031 | -0.411 | 0.176  | 0.574  | 0.431  | -0.045 | 0.024  | 0.527  | 0.06   | -0.198 | -0.212 | 0.221  | -0.07  | 1      |        |        |        |        |        |        |        |       |    |
| #PRS | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     |        |        |        |        |        |        |        |       |    |
| P    | -0.556 | -0.764 | 0.591  | 0.427  | 0.148  | 0.097  | 0.19   | 0.129  | 0.062  | 0.543  | -0.529 | -0.035 | -0.085 | 0.364  | -0.258 | 0.445  | 0.051  | 0.505  | 0.021  | 1      |        |        |        |        |        |        |       |    |
| #PRS | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     |        |        |        |        |        |        |       |    |
| PB   | 0.144  | 0.381  | -0.251 | -0.154 | 0.263  | 0.071  | -0.1   | -0.165 | 0.013  | -0.168 | 0.14   | -0.099 | -0.26  | -0.149 | -0.05  | -0.176 | 0.045  | -0.268 | -0.045 | -0.41  | 1      |        |        |        |        |        |       |    |
| #PRS | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     |        |        |        |        |        |       |    |
| SR   | 0.009  | -0.02  | -0.068 | 0.33   | 0.127  | 0.073  | 0.302  | -0.101 | 0.073  | -0.318 | -0.072 | -0.02  | -0.245 | -0.173 | 0.213  | 0.07   | 0.01   | 0.127  | -0.174 | -0.026 | 0.119  | 1      |        |        |        |        |       |    |
| #PRS | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     |        |        |        |        |       |    |
| TI   | -0.457 | -0.318 | 0.73   | 0.6    | 0.182  | -0.078 | 0.041  | 0.147  | 0.121  | 0.605  | -0.401 | -0.138 | -0.025 | 0.59   | -0.133 | 0.456  | 0.156  | 0.601  | 0.21   | 0.587  | -0.239 | -0.068 | 1      |        |        |        |       |    |
| #PRS | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     |        |        |        |       |    |
| V    | -0.313 | -0.242 | 0.743  | 0.454  | 0.158  | -0.167 | 0.011  | 0.165  | 0      | 0.298  | -0.256 | 0.005  | 0.151  | 0.637  | 0.158  | 0.412  | 0.175  | 0.376  | 0.391  | 0.407  | -0.288 | -0.073 | 0.68   | 1      |        |        |       |    |
| #PRS | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     |        |       |    |
| W    | 0.406  | 0.556  | -0.38  | -0.324 | -0.227 | 0.11   | 0.18   | 0.233  | 0.179  | -0.369 | 0.398  | -0.027 | 0.191  | -0.294 | 0.444  | -0.252 | -0.348 | -0.283 | 0.011  | -0.558 | 0.105  | 0.06   | -0.359 | -0.269 | 1      |        |       |    |
| #PRS | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     |       |    |
| ZN   | 0.163  | 0.241  | -0.267 | 0.003  | -0.196 | -0.061 | 0.364  | 0.089  | 0.478  | 0.18   | 0.192  | -0.139 | 0.361  | -0.069 | 0.185  | -0.152 | 0.206  | -0.023 | 0.157  | -0.021 | 0.081  | 0.027  | 0.186  | -0.063 | 0.229  | 1      |       |    |
| #PRS | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65    |    |
| LA   | -0.064 | -0.189 | 0.42   | 0.326  | 0.062  | -0.105 | -0.383 | 0.191  | -0.025 | 0.324  | -0.078 | 0.064  | 0.302  | 0.393  | -0.266 | 0.182  | 0.276  | 0.193  | 0.233  | 0.246  | -0.221 | -0.271 | 0.423  | 0.379  | -0.315 | -0.025 | 1     |    |
| #PRS | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65     | 65    |    |
| U    | 0.113  | 0.305  | -0.43  | -0.191 | -0.127 | 0.143  | 0.492  | -0.057 | 0.152  | -0.488 | 0.113  | 0.025  | -0.072 | -0.313 | 0.508  | -0.272 | -0.248 | -0.222 | -0.122 | -0.314 | 0.196  | 0.289  | -0.28  | -0.134 | 0.397  | 0.123  | -0.71 | 1  |
| #PRS | 62     | 62     | 62     | 62     | 62     | 62     | 62     | 62     | 62     | 62     | 62     | 3      | 62     | 62     | 62     | 62     | 62     | 62     | 62     | 62     | 62     | 62     | 62     | 62     | 62     | 62     | 62    | 62 |
|      | AU     | AG     | AL     | BA     | BE     | BI     | CA     | CD     | CO     | CR     | CUO    | 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 ----> REID  
 ROCK SAMPLE DATA - 1/2 DETECTION LIMIT USED ON SAMPLES BELOW DETECTION LIMIT

|      | AU     | AG     | AL     | BA     | BE     | BI     | CA     | CD     | CO     | CR     | CUO    | CUA    | FE     | K      | MG     | MN     | MO     | NA     | NI     | P      | PB     | SR     | TI     | V      | W      | ZN     | LA | U |
|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|----|---|
| AU   | 1      |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |    |   |
| #FRS | 19     |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |    |   |
| AG   | 0.514  | 1      |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |    |   |
| #FRS | 19     | 19     |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |    |   |
| AL   | -0.089 | -0.407 | 1      |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |    |   |
| #FRS | 19     | 19     | 19     |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |    |   |
| BA   | -0.187 | -0.269 | 0.601  | 1      |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |    |   |
| #FRS | 19     | 19     | 19     | 19     |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |    |   |
| BE   | -0.345 | -0.23  | 0.562  | 0.119  | 1      |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |    |   |
| #FRS | 19     | 19     | 19     | 19     | 19     |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |    |   |
| BI   | 0.427  | 0.882  | -0.331 | -0.177 | -0.14  | 1      |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |    |   |
| #FRS | 19     | 19     | 19     | 19     | 19     | 19     |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |    |   |
| CA   | -0.202 | -0.13  | -0.041 | 0.508  | -0.14  | -0.005 | 1      |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |    |   |
| #FRS | 19     | 19     | 19     | 19     | 19     | 19     | 19     |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |    |   |
| CD   | 0.362  | 0.476  | -0.109 | -0.129 | -0.111 | 0.22   | -0.126 | 1      |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |    |   |
| #FRS | 19     | 19     | 19     | 19     | 19     | 19     | 19     | 19     |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |    |   |
| CO   | 0.296  | 0.724  | -0.314 | -0.17  | -0.108 | 0.92   | 0.043  | -0.088 | 1      |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |    |   |
| #FRS | 19     | 19     | 19     | 19     | 19     | 19     | 19     | 19     | 19     |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |    |   |
| CR   | 0.012  | 0.204  | -0.209 | -0.262 | -0.17  | 0.14   | -0.172 | -0.095 | 0.316  | 1      |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |    |   |
| #FRS | 19     | 19     | 19     | 19     | 19     | 19     | 19     | 19     | 19     | 19     |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |    |   |
| CUO  | 0.509  | 0.41   | -0.327 | -0.449 | -0.448 | 0.271  | -0.433 | -0.098 | 0.339  | 0.335  | 1      |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |    |   |
| #FRS | 19     | 19     | 19     | 19     | 19     | 19     | 19     | 19     | 19     | 19     | 19     |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |    |   |
| CUA  | 0.061  | 0.683  | -0.102 | -0.046 | 0      | 0.792  | 0.093  | -0.026 | 0.828  | 0.108  | 0      | 1      |        |        |        |        |        |        |        |        |        |        |        |        |        |        |    |   |
| #FRS | 6      | 6      | 6      | 6      | 6      | 6      | 6      | 6      | 6      | 6      | 6      | 6      |        |        |        |        |        |        |        |        |        |        |        |        |        |        |    |   |
| FE   | 0.544  | 0.739  | -0.21  | -0.002 | -0.297 | 0.654  | -0.039 | -0.028 | 0.657  | 0.257  | 0.628  | 0.473  | 1      |        |        |        |        |        |        |        |        |        |        |        |        |        |    |   |
| #FRS | 19     | 19     | 19     | 19     | 19     | 19     | 19     | 19     | 19     | 19     | 19     | 19     | 19     |        |        |        |        |        |        |        |        |        |        |        |        |        |    |   |
| K    | -0.298 | -0.356 | 0.81   | 0.888  | 0.318  | -0.255 | 0.315  | -0.209 | -0.199 | -0.163 | -0.404 | -0.107 | -0.089 | 1      |        |        |        |        |        |        |        |        |        |        |        |        |    |   |
| #FRS | 19     | 19     | 19     | 19     | 19     | 19     | 19     | 19     | 19     | 19     | 19     | 19     | 19     | 19     |        |        |        |        |        |        |        |        |        |        |        |        |    |   |
| MG   | -0.073 | -0.397 | 0.503  | 0.094  | 0.486  | -0.211 | 0.233  | -0.466 | -0.066 | 0.011  | -0.235 | -0.012 | -0.154 | 0.24   | 1      |        |        |        |        |        |        |        |        |        |        |        |    |   |
| #FRS | 19     | 19     | 19     | 19     | 19     | 19     | 19     | 19     | 19     | 19     | 19     | 19     | 19     | 19     | 19     |        |        |        |        |        |        |        |        |        |        |        |    |   |
| MN   | -0.146 | -0.198 | 0.248  | 0.863  | -0.145 | -0.087 | 0.781  | -0.142 | -0.064 | -0.267 | -0.386 | -0.033 | 0.039  | 0.635  | 0.055  | 1      |        |        |        |        |        |        |        |        |        |        |    |   |
| #FRS | 19     | 19     | 19     | 19     | 19     | 19     | 19     | 19     | 19     | 19     | 19     | 19     | 19     | 19     | 19     | 19     |        |        |        |        |        |        |        |        |        |        |    |   |
| MO   | 0.371  | 0.317  | 0.25   | 0.498  | 0.034  | 0.242  | 0.16   | 0.144  | 0.223  | 0.12   | 0.018  | 0.046  | 0.521  | 0.421  | 0.008  | 0.406  | 1      |        |        |        |        |        |        |        |        |        |    |   |
| #FRS | 19     | 19     | 19     | 19     | 19     | 19     | 19     | 19     | 19     | 19     | 19     | 19     | 19     | 19     | 19     | 19     | 19     |        |        |        |        |        |        |        |        |        |    |   |
| NA   | -0.083 | 0.128  | -0.072 | -0.188 | -0.001 | 0.138  | -0.116 | -0.074 | 0.316  | 0.825  | 0.244  | 0.16   | 0.081  | -0.104 | 0.036  | -0.175 | -0.077 | 1      |        |        |        |        |        |        |        |        |    |   |
| #FRS | 19     | 19     | 19     | 19     | 19     | 19     | 19     | 19     | 19     | 19     | 19     | 19     | 19     | 19     | 19     | 19     | 19     | 19     |        |        |        |        |        |        |        |        |    |   |
| NI   | 0.323  | 0.779  | -0.36  | -0.178 | -0.135 | 0.954  | 0.044  | -0.037 | 0.975  | 0.171  | 0.341  | 0.832  | 0.675  | -0.242 | -0.137 | -0.064 | 0.172  | 0.169  | 1      |        |        |        |        |        |        |        |    |   |
| #FRS | 19     | 19     | 19     | 19     | 19     | 19     | 19     | 19     | 19     | 19     | 19     | 19     | 19     | 19     | 19     | 19     | 19     | 19     | 19     |        |        |        |        |        |        |        |    |   |
| P    | -0.008 | 0.036  | 0.154  | 0.323  | 0.031  | -0.118 | 0.23   | 0.192  | -0.199 | -0.325 | -0.037 | -0.068 | 0.007  | 0.198  | -0.167 | 0.33   | 0.022  | -0.174 | -0.075 | 1      |        |        |        |        |        |        |    |   |
| #FRS | 19     | 19     | 19     | 19     | 19     | 19     | 19     | 19     | 19     | 19     | 19     | 19     | 19     | 19     | 19     | 19     | 19     | 19     | 19     | 19     |        |        |        |        |        |        |    |   |
| PB   | 0.451  | 0.606  | -0.084 | 0.119  | -0.281 | 0.581  | 0.21   | 0.192  | 0.386  | -0.258 | 0.252  | 0.359  | 0.544  | -0.01  | -0.156 | 0.2    | 0.179  | -0.202 | 0.511  | 0.25   | 1      |        |        |        |        |        |    |   |
| #FRS | 19     | 19     | 19     | 19     | 19     | 19     | 19     | 19     | 19     | 19     | 19     | 19     | 19     | 19     | 19     | 19     | 19     | 19     | 19     | 19     | 19     |        |        |        |        |        |    |   |
| SR   | 0.065  | 0.119  | 0.063  | 0.519  | -0.07  | 0.119  | 0.75   | 0.282  | 0.001  | -0.343 | -0.27  | -0.022 | 0.03   | 0.298  | -0.045 | 0.741  | 0.215  | -0.095 | 0.056  | 0.449  | 0.441  | 1      |        |        |        |        |    |   |
| #FRS | 19     | 19     | 19     | 19     | 19     | 19     | 19     | 19     | 19     | 19     | 19     | 19     | 19     | 19     | 19     | 19     | 19     | 19     | 19     | 19     | 19     | 19     |        |        |        |        |    |   |
| TI   | -0.252 | -0.097 | 0.051  | -0.101 | -0.08  | -0.144 | -0.164 | -0.059 | -0.017 | 0.79   | 0.022  | -0.026 | -0.127 | 0.043  | 0.007  | -0.202 | -0.219 | 0.784  | -0.13  | -0.178 | -0.353 | -0.279 | 1      |        |        |        |    |   |
| #FRS | 19     | 19     | 19     | 19     | 19     | 19     | 19     | 19     | 19     | 19     | 19     | 19     | 19     | 19     | 19     | 19     | 19     | 19     | 19     | 19     | 19     | 19     | 19     |        |        |        |    |   |
| V    | -0.143 | -0.474 | 0.97   | 0.718  | 0.533  | -0.368 | 0.129  | -0.134 | -0.36  | -0.327 | -0.45  | -0.14  | -0.278 | 0.873  | 0.471  | 0.406  | 0.283  | -0.185 | -0.388 | 0.202  | -0.055 | 0.202  | -0.05  | 1      |        |        |    |   |
| #FRS | 19     | 19     | 19     | 19     | 19     | 19     | 19     | 19     | 19     | 19     | 19     | 19     | 19     | 19     | 19     | 19     | 19     | 19     | 19     | 19     | 19     | 19     | 19     | 19     |        |        |    |   |
| W    | 0.113  | 0.333  | -0.222 | -0.17  | -0.167 | 0.027  | -0.162 | -0.084 | -0.018 | 0.129  | 0.474  | 0.13   | 0.563  | -0.177 | -0.127 | -0.148 | 0.141  | -0.008 | 0.03   | 0.006  | 0.324  | -0.085 | -0.031 | -0.285 | 1      |        |    |   |
| #FRS | 19     | 19     | 19     | 19     | 19     | 19     | 19     | 19     | 19     | 19     | 19     | 19     | 19     | 19     | 19     | 19     | 19     | 19     | 19     | 19     | 19     | 19     | 19     | 19     | 19     |        |    |   |
| ZN   | 0.387  | 0.796  | -0.392 | -0.24  | -0.248 | 0.766  | -0.107 | -0.1   | 0.811  | 0.268  | 0.649  | 0.941  | 0.901  | -0.273 | -0.202 | -0.142 | 0.283  | 0.16   | 0.834  | 0.001  | 0.499  | -0.065 | -0.113 | -0.464 | 0.516  | 1      |    |   |
| #FRS | 19     | 19     | 19     | 19     | 19     | 19     | 19     | 19     | 19     | 19     | 19     | 19     | 19     | 19     | 19     | 19     | 19     | 19     | 19     | 19     | 19     | 19     | 19     | 19     | 19     | 19     |    |   |
| LA   | -0.231 | -0.534 | 0.912  | 0.546  | 0.44   | -0.395 | -0.06  | -0.177 | -0.357 | -0.166 | -0.409 | -0.129 | -0.331 | 0.762  | 0.468  | 0.204  | 0.074  | -0.121 | -0.407 | -0.008 | -0.253 | -0.118 | 0.165  | 0.88   | -0.371 | -0.508 | 1  |   |
| #FRS | 19     | 19     | 19     | 19     | 19     | 19     | 19     | 19     | 19     | 19     | 19     | 19     | 19     | 19     | 19     | 19     | 19     | 19     | 19     | 19     | 19     | 19     | 19     | 19     | 19     | 19     | 19 |   |
| 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 |
| #FRS | 6      | 6      | 6      | 6      | 6      | 6      | 6      | 6      | 6      | 6      | 6      | 6      | 6      | 6      | 6      | 6      | 6      | 6      | 6      | 6      | 6      | 6      | 6      | 6      | 6      | 6      | 6  | 6 |
|      | AU     | AG     | AL     | BA     | BE     | BI     | CA     | CD     | CO     | CR     | CUO    | CUA    | FE     | K      | MG     | MN     | MO     | NA     | NI     | P      | PB     | SR     | TI     | V      | W      | ZN     | LA | U |

**APPENDIX G**

**YUKON MINFILE SHEETS 106D/16-52, /62, /79, /89**

**YUKON MINFILE  
STANDARD REPORT  
EXPLORATION AND GEOLOGICAL SERVICES DIVISION, DIAND  
WHITEHORSE**

|                                             |                                       |
|---------------------------------------------|---------------------------------------|
| <b>NAME(S):</b> Ford                        | <b>NTS MAP SHEET:</b> 106 D 16        |
| <b>MINFILE #:</b> 106D 052                  | <b>LATITUDE:</b> 64°54'25"N           |
| <b>MAJOR COMMODITIES:</b> U,Cu              | <b>LONGITUDE:</b> 134°15'54"W         |
| <b>MINOR COMMODITIES:</b> Ba,Co             | <b>DEPOSIT TYPE:</b> Wernecke Breccia |
| <b>TECTONIC ELEMENT:</b> Mackenzie Platform | <b>STATUS:</b> Prospect               |

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**CLAIMS (PREVIOUS AND CURRENT)**

CF, URSUS, CLEVELAND

**WORK HISTORY**

Initial staking in this area was CF cl (Y32327) about 2.4 km to the east in Mar/69 by C. Ford on an occurrence located by Cyprus E Corp L during regional exploration in 1968.

The uranium occurrence was first staked as Ursus cl (YA6875) in Sep/76 by Mountaineer ML and optioned to Pan Ocean OL, which explored with mapping, geochemical and radiometric surveys in 1977 and 1978 and mapping, geochemical and geophysical surveys and hand trenching in 1980. Mountaineer changed its name to Can MI Corp in 1979 and Pan Ocean's interest was transferred to Aberford Res L in 1981.

Restaked as Ursus 1-14 cl (YB28528) in Jul and Sep/92 by Pamicon Developments Ltd, which also staked Cleveland 1-6 cl 2.5 km to the southwest in Jul/92.

**GEOLOGY**

The CF claims were staked on minor chalcopyrite veinlets within and peripheral to a Middle Proterozoic breccia body cutting Middle Proterozoic Quartet Group argillite.

The Ursus claims cover uranium and copper mineralization in Fairchild Lake Group siltstone and interbedded dolomite. The copper occurs in fractures in a siltstone horizon over an area of 366 by 30 m. The uranium occurs as disseminated brannerite within both matrix and clasts of the breccia in association with crystalline chalcopyrite, barite, siderite, pyrite and hematite-magnetite. The best chip sample was 0.01%  $U_3O_8$ , across 0.9 m of silicified siltstone, although a selected specimen of breccia float returned 0.21%  $U_3O_8$ . Samples taken from trenches returned up to 120 ppm Mo, 1300 ppm Co, 2500 ppm U and 5000 ppm Ba with greater than 1% Cu.

At the Ford occurrence, Thorkelson and Wallace (1993) described a gradational transition from unaltered dark argillite to purplish brown metasomatized argillite with red bands and hematitic fractures through a zone of crackle breccia to the main breccia zone where specular hematite is abundant in both clasts and matrix. The mineralization is believed to have accompanied an episode of widespread iron, silica and carbonate metasomatism which was probably related to igneous activity following the Racklan orogeny. Brecciation accompanied extensional faulting and was assisted by the rapid expansion of volatile-rich fluids.

**REFERENCES**

MINERAL INDUSTRY REPORT 1977, p. 44; 1978, p. 16.

PAN OCEAN OIL LTD, Feb/81. Assessment Report by D.L. Dick & D.B. Harmeson.

THORKELSON, D.J., AND WALLACE, C.A., 1993. Development of Wernecke Breccia in Slat Creek (106D/16) map area, Wernecke Mountains, Yukon. In: Yukon Exploration and Geology 1992, Exploration and Geological Services Division, Yukon, Indian and Northern Affairs Canada, p. 77-87.

THORKELSON, D.J. AND WALLACE, C.A., 1993. Geological map of Slat Creek (106D/16) map area, Wernecke Mountains, Yukon. In: Yukon Exploration and Geology 1992, Exploration and Geological Services Division, Yukon, Indian and Northern Affairs Canada, 1:50 000 scale.

YUKON EXPLORATION AND GEOLOGY 1981, p. 197.

**YUKON MINFILE  
STANDARD REPORT  
EXPLORATION AND GEOLOGICAL SERVICES DIVISION, DIAND  
WHITEHORSE**

|                                      |                                |
|--------------------------------------|--------------------------------|
| NAME(S): Gnuckle                     | NTS MAP SHEET: 106 D 16        |
| MINFILE #: 106D 062                  | LATITUDE: 64°56'37"N           |
| MAJOR COMMODITIES: U                 | LONGITUDE: 134°15'39"W         |
| MINOR COMMODITIES: Cu,Ag             | DEPOSIT TYPE: Wernecke Breccia |
| TECTONIC ELEMENT: Mackenzie Platform | STATUS: Showing                |

---

**CLAIMS (PREVIOUS AND CURRENT)**

GNUCKLES

**WORK HISTORY**

Copper mineralization was discovered here by Cyprus ECL in 1968. Uranium was first recognized by a joint venture between Wernecke JV (Chevron Can L & Aquitaine) & Eldorado Nuclear L, which staked the Gnuckles cl (YA5935) in Jul/76 and performed radiometric and geochem surveys and mapping. Eldorado dropped its interest late in the year.

Pamicon Developments Ltd staked TVA 1-4 cl (YB29130) 1.5 km to the south in Oct/92.

**GEOLOGY**

Brannerite occurs in quartz veins cutting strongly silicified Middle Proterozoic Quartet Group argillite in the vicinity of a breccia body. Minor chalcopyrite occurs in veinlets within and peripheral to the breccia. A U-Pb age date of the brannerite was determined to be 742 Ma. Soil sampling over the breccia returned an average of 410 ppm Cu and 9 ppm Mo.

The mineralization is believed to have accompanied an episode of widespread iron, silica and carbonate metasomatism which was probably related to Middle Proterozoic igneous activity following the Racklan orogeny. Felsic and intermediate intrusive rocks are reported in breccia at this location. Brecciation accompanied extensional faulting and was assisted by the rapid expansion of volatile-rich fluids (Thorkelson and Wallace (1993).

**REFERENCES**

ARCHER, A.R., AND SCHMIDT, U., 15 Oct/77. Mineralized Breccias of Early Proterozoic Age, Bonnet Plume River District, Y.T. Paper presented at the 2nd Annual Canadian Institute of Mining and Metallurgy District 6 Meeting, Victoria.

THORKELSON, D.J., AND WALLACE, C.A., 1993. Development of Wernecke Breccia in Slat Creek (106D/16) map area, Wernecke Mountains, Yukon. In: Yukon Exploration and Geology 1992, Exploration and Geological Services Division, Yukon, Indian and Northern Affairs Canada, p. 77-87.

THORKELSON, D.J. AND WALLACE, C.A., 1993. Geological map of Slat Creek (106D/16) map area, Wernecke Mountains, Yukon. In: Yukon Exploration and Geology 1992, Exploration and Geological Services Division, Yukon, Indian and Northern Affairs Canada, 1:50 000 scale.

MINERAL INDUSTRY REPORT 1976, p. 125-126.

**YUKON MINFILE  
STANDARD REPORT  
EXPLORATION AND GEOLOGICAL SERVICES DIVISION, DIAND  
WHITEHORSE**

|                                      |                                |
|--------------------------------------|--------------------------------|
| NAME(S): Chieftain                   | NTS MAP SHEET: 106 D 16        |
| MINFILE #: 106D 079                  | LATITUDE: 64°53'31"N           |
| MAJOR COMMODITIES: U,Au              | LONGITUDE: 134°10'35"W         |
| MINOR COMMODITIES: Cu,Co             | DEPOSIT TYPE: Wernecke Breccia |
| TECTONIC ELEMENT: Mackenzie Platform | STATUS: Showing                |

---

**CLAIMS (PREVIOUS AND CURRENT)**

SER, BRI, HAIL, ADUB, MICA

**WORK HISTORY**

Staked as the Ser cl (YA7068) in Sep/76 by Prism Synd (Prism Res L, Canex Placer, Granby Mg & Chieftain Dev CL). The adjoining Bri cl (YA7050) were staked 3.2 km to the southwest in Sep/76 by Noranda ML following airborne radiometric and magnetic surveys. Prism explored with mapping and radiometric surveys in 1977.

Texaco Can Res L added Hail cl (YA42025) to the north in Jun/80 and Adub cl (YA41897) 2.4 km to the southwest in Jul/80 and performed mapping and sampling in 1981 and 1982.

Restaked as Mica 1-46 cl (YB28540) and Hail 1-10 cl (YB28564) by Pamicon Developments Ltd between Jul and Oct/92.

**GEOLOGY**

Each of the claim groups was staked on occurrences of chalcopyrite with minor brannerite, pitchblende and cobaltite that are associated with breccia bodies cutting Middle Proterozoic Quartet Group argillite. The best assays reported were 0.03%  $U_3O_8$  from a grab sample on the Ser group, up to 0.5%  $U_3O_8$  from float samples from the Hail group, and up to 2.4 g/t Au and 3100 ppm Cu from specimen collected in trenches on the Adub group. The Hail float was thought to be derived from a narrow shear zone cutting breccia.

The mineralization is believed to have accompanied an episode of widespread iron, silica and carbonate metasomatism which was probably related to Middle Proterozoic igneous activity following the Racklan orogeny. Brecciation accompanied extensional faulting and was assisted by the rapid expansion of volatile-rich fluids (Thorkelson and Wallace (1993)).

**REFERENCES**

MINERAL INDUSTRY REPORT 1977, p. 45.

PRISM RESOURCES LTD, Sep/77. Assessment Report by J.H. Montgomery.

THORKELSON, D.J., AND WALLACE, C.A., 1993. Development of Wernecke Breccia in Slat Creek (106D/16) map area, Wernecke Mountains, Yukon. In: Yukon Exploration and Geology 1992, Exploration and Geological Services Division, Yukon, Indian and Northern Affairs Canada, p. 77-87.

THORKELSON, D.J. AND WALLACE, C.A., 1993. Geological map of Slat Creek (106D/16) map area, Wernecke Mountains, Yukon. In: Yukon Exploration and Geology 1992, Exploration and Geological Services Division, Yukon, Indian and Northern Affairs Canada, 1:50 000 scale.

YUKON EXPLORATION AND GEOLOGY 1981, p. 195; 1983, p. 228-229.

MINFILE: 106D 089  
PAGE NO: 1 of 1  
UPDATED: 06/27/93

**YUKON MINFILE  
STANDARD REPORT  
EXPLORATION AND GEOLOGICAL SERVICES DIVISION, DIAND  
WHITEHORSE**

|                                      |                         |
|--------------------------------------|-------------------------|
| NAME(S): Zelon                       | NTS MAP SHEET: 106 D 16 |
| MINFILE #: 106D 089                  | LATITUDE: 64°54'58"N    |
| MAJOR COMMODITIES: Cu                | LONGITUDE: 134°03'46"W  |
| MINOR COMMODITIES: Co,U              | DEPOSIT TYPE: Vein      |
| TECTONIC ELEMENT: Mackenzie Platform | STATUS: Showing         |

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**CLAIMS (PREVIOUS AND CURRENT)**

SAM

**WORK HISTORY**

Staked as Sam cl (YA63418) in Jul/81 by Texaco Can Res L.

**GEOLOGY**

Chalcopyrite and malachite with minor cobaltite and brannerite fill fractures and shear zones in limy phyllite of the Middle Proterozoic Fairchild Lake Group. The best mineralization occurs in an irregular east-trending structure that can be traced for approximately 100 m along strike and is visually estimated to grade 1 to 2% Cu over 2 m.

**REFERENCES**

THORKELSON, D.J., AND WALLACE, C.A., 1993. Development of Wernecke Breccia in Slat Creek (106D/16) map area, Wernecke Mountains, Yukon. In: Yukon Exploration and Geology 1992, Exploration and Geological Services Division, Yukon, Indian and Northern Affairs Canada, p. 77-87.

THORKELSON, D.J. AND WALLACE, C.A., 1993. Geological map of Slat Creek (106D/16) map area, Wernecke Mountains, Yukon. In: Yukon Exploration and Geology 1992, Exploration and Geological Services Division, Yukon, Indian and Northern Affairs Canada, 1:50 000 scale.

**APPENDIX H**  
**MICA GEOPHYSICAL REPORT**

LOGISTICAL REPORT  
INDUCED POLARIZATION AND MAGNETOMETER SURVEYS

FAIRCHILD PROJECT  
HOOVER, EAGLE, MICA, OLYMPIC, AND SLAB NW GRIDS  
WERNECKE MOUNTAINS AREA, YUKON

on behalf of

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

Field work completed: June 18 to 29, 1993

by

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

July 7, 1993

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| 2 Survey coverage                | 1    |
| 3 Personnel                      | 1    |
| 4 Instrumentation and Procedures | 2    |
| 5 Recommendations                | 2    |

## Appendix

|                             |                |
|-----------------------------|----------------|
| Statement of Qualifications | rear of report |
|-----------------------------|----------------|

## Maps included with report

|                                                               |              |
|---------------------------------------------------------------|--------------|
| Chargeability/resistivity pseudosections, a=25/n=1-5, Hoover  | map pocket 1 |
| Chargeability/resistivity pseudosections, a=25/n=1-5, Eagle   | map pocket 2 |
| Chargeability/resistivity pseudosections, a=75/n=1-4, Mica    | map pocket 3 |
| Chargeability/resistivity pseudosections, a=75/n=1-4, Olympic | map pocket 4 |
| Chargeability/resistivity pseudosections, a=75/n=1-4, Slab NW | map pocket 5 |
| Magnetometer Survey - Data Postings - Hoover, Eagle           | map pocket 6 |
| Magnetometer Survey - Data Listings - Mica, Olympic, Slab NW  | map pocket 7 |
| Chainage Notes - Hoover, Eagle, Mica, Olympic, Slab NW        | map pocket 7 |
| Floppy disk - all IP and mag survey data (ASCII)              | map pocket 7 |

## Accompanying maps (originals, vellums, three blackline copies)

|                            |                     |          |
|----------------------------|---------------------|----------|
| Stacked pseudosections     | a=25/n=1-5, Hoover  | map roll |
| Stacked pseudosections     | a=25/n=1-5, Eagle   | map roll |
| Stacked pseudosections     | a=75/n=1-4, Mica    | map roll |
| Stacked pseudosections     | a=75/n=1-4, Olympic | map roll |
| Stacked pseudosections     | a=75/n=1-4, Slab NW | map roll |
| Chargeability Contour Plan | a=25/n=1 Hoover     | map roll |
| Resistivity Contour Plan   | a=25/n=1 Hoover     | map roll |
| Chargeability Contour Plan | a=25/n=1 Eagle      | map roll |
| Resistivity Contour Plan   | a=25/n=1 Eagle      | map roll |
| Magnetometer Profiles      | Hoover              | map roll |
| Magnetometer Contour Plan  | Hoover              | map roll |
| Magnetometer Profiles      | Eagle               | map roll |
| Magnetometer Contour Plan  | Eagle               | map roll |
| Magnetometer Profiles      | Mica                | map roll |
| Magnetometer Profiles      | Olympic             | map roll |
| Magnetometer Profiles      | Slab NW             | map roll |

## 1. INTRODUCTION

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

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

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

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

## 2. SURVEY LOCATION AND COVERAGE

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

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

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

## 3. PERSONNEL

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

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

#### 4. INSTRUMENTATION

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

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

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

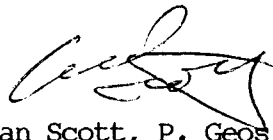
#### 5. RECOMMENDATIONS

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

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

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

Respectfully Submitted,

A handwritten signature in dark ink, appearing to read 'Alan Scott', is written over a horizontal line.

Alan Scott, P. Geos.

Statement of Qualifications

for

Alan Scott, Geophysicist

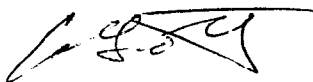
of

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

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

1. The work was performed by individuals sufficiently trained and qualified for its performance.
2. I have no material interest in the property under consideration in this report, nor in the company on whose behalf the work was performed.
3. I graduated from the University of British Columbia with a Bachelor of Science degree (Geophysics) in 1970, and with a Master of Business Administration degree in 1982.
4. I am a member of the Association of Professional Engineers and Geoscientists of the Province of British Columbia.
5. I have been practicing my profession as a Geophysicist in the field of Mineral Exploration since 1970.

Respectfully submitted,

A handwritten signature in black ink, appearing to read 'A. Scott', with a stylized flourish at the end.

Alan Scott

## FAIRCHILD PROPERTY / MICA GRID

| NORTHING | EASTING | READING | NORTHING | EASTING | READING | NORTHING | EASTING | READING |
|----------|---------|---------|----------|---------|---------|----------|---------|---------|
| 4800 N   | 4487 E  | 58612.6 | 5000 N   | 4575 E  | 58618.9 | 5200 N   | 4600 E  | 58590.7 |
| 4800 N   | 4500 E  | 58622.6 | 5000 N   | 4587 E  | 58611.1 | 5200 N   | 4612 E  | 58592.8 |
| 4800 N   | 4512 E  | 58622.8 | 5000 N   | 4600 E  | 58601.9 | 5200 N   | 4625 E  | 58590.8 |
| 4800 N   | 4525 E  | 58612.1 | 5000 N   | 4612 E  | 58629.2 | 5200 N   | 4637 E  | 58604.8 |
| 4800 N   | 4537 E  | 58615.4 | 5000 N   | 4625 E  | 58637   | 5200 N   | 4650 E  | 58601.6 |
| 4800 N   | 4550 E  | 58613.9 | 5000 N   | 4637 E  | 58610.1 | 5200 N   | 4662 E  | 58598.7 |
| 4800 N   | 4562 E  | 58607   | 5000 N   | 4650 E  | 58615.2 | 5200 N   | 4675 E  | 58592   |
| 4800 N   | 4575 E  | 58601.5 | 5000 N   | 4662 E  | 58604.5 | 5200 N   | 4687 E  | 58586.8 |
| 4800 N   | 4587 E  | 58603.7 | 5000 N   | 4675 E  | 58608   | 5200 N   | 4700 E  | 58579.3 |
| 4800 N   | 4600 E  | 58596.3 | 5000 N   | 4687 E  | 58606.5 | 5200 N   | 4712 E  | 58619.4 |
| 4800 N   | 4612 E  | 58598.7 | 5000 N   | 4700 E  | 58588.5 | 5200 N   | 4725 E  | 58613.1 |
| 4800 N   | 4625 E  | 58610.4 | 5000 N   | 4712 E  | 58573.3 | 5200 N   | 4737 E  | 58602.9 |
| 4800 N   | 4637 E  | 58604.9 | 5000 N   | 4725 E  | 58735.4 | 5200 N   | 4750 E  | 58594.6 |
| 4800 N   | 4650 E  | 58599.5 | 5000 N   | 4737 E  | 58777.8 | 5200 N   | 4762 E  | 58594.5 |
| 4800 N   | 4662 E  | 58597.7 | 5000 N   | 4750 E  | 58794.5 | 5200 N   | 4775 E  | 58594.1 |
| 4800 N   | 4675 E  | 58611.5 | 5000 N   | 4762 E  | 58589.1 | 5200 N   | 4787 E  | 58594.2 |
| 4800 N   | 4687 E  | 58599.8 | 5000 N   | 4775 E  | 58563.5 | 5200 N   | 4800 E  | 58594.6 |
| 4800 N   | 4700 E  | 58598.1 | 5000 N   | 4787 E  | 58619   | 5200 N   | 4812 E  | 58576.7 |
| 4800 N   | 4712 E  | 58582.5 | 5000 N   | 4800 E  | 58671.3 | 5200 N   | 4825 E  | 58579.4 |
| 4800 N   | 4725 E  | 58577.7 | 5000 N   | 4812 E  | 58674.9 | 5200 N   | 4837 E  | 58570.6 |
| 4800 N   | 4737 E  | 58580.2 | 5000 N   | 4825 E  | 58650   | 5200 N   | 4850 E  | 58590.9 |
| 4800 N   | 4750 E  | 58576   | 5000 N   | 4837 E  | 58627.7 | 5200 N   | 4862 E  | 58601.5 |
| 4800 N   | 4762 E  | 58568.9 | 5000 N   | 4850 E  | 58631.2 | 5200 N   | 4875 E  | 58605.6 |
| 4800 N   | 4775 E  | 58562.2 | 5000 N   | 4862 E  | 58599   | 5200 N   | 4887 E  | 58622.6 |
| 4800 N   | 4787 E  | 58543.2 | 5000 N   | 4875 E  | 58596   | 5200 N   | 4900 E  | 58619.9 |
| 4800 N   | 4800 E  | 58586.9 | 5000 N   | 4887 E  | 58606   | 5200 N   | 4912 E  | 58612.5 |
| 4800 N   | 4812 E  | 58562.9 | 5000 N   | 4900 E  | 58604.5 | 5200 N   | 4925 E  | 58617.4 |
| 4800 N   | 4825 E  | 58578.8 | 5000 N   | 4912 E  | 58601.3 | 5200 N   | 4937 E  | 58612.4 |
| 4800 N   | 4837 E  | 58550.8 | 5000 N   | 4925 E  | 58606.2 | 5200 N   | 4950 E  | 58597.8 |
| 4800 N   | 4850 E  | 58546.5 | 5000 N   | 4937 E  | 58604.2 | 5200 N   | 4962 E  | 58574.4 |
| 4800 N   | 4862 E  | 58553   | 5000 N   | 4950 E  | 58590.1 | 5200 N   | 4975 E  | 58548.8 |
| 4800 N   | 4875 E  | 58488.5 | 5000 N   | 4962 E  | 58591.6 | 5200 N   | 4987 E  | 58522   |
| 4800 N   | 4887 E  | 58487.4 | 5000 N   | 4975 E  | 58578.4 | 5200 N   | 5000 E  | 58516.8 |
| 4800 N   | 4900 E  | 58505.1 | 5000 N   | 4987 E  | 58582.1 |          |         |         |
| 4800 N   | 4912 E  | 58482.2 | 5000 N   | 5000 E  | 58581.5 |          |         |         |
| 4800 N   | 4925 E  | 58491.7 | 5200 N   | 4400 E  | 58664.9 |          |         |         |
| 4800 N   | 4937 E  | 58495.4 | 5200 N   | 4412 E  | 58654.9 |          |         |         |
| 4800 N   | 4950 E  | 58508.5 | 5200 N   | 4425 E  | 58660.2 |          |         |         |
| 4800 N   | 4962 E  | 58491.8 | 5200 N   | 4437 E  | 58667.7 |          |         |         |
| 4800 N   | 4975 E  | 58495.7 | 5200 N   | 4450 E  | 58621.1 |          |         |         |
| 4800 N   | 4987 E  | 58495.1 | 5200 N   | 4462 E  | 58643.5 |          |         |         |
| 4800 N   | 5000 E  | 58484.5 | 5200 N   | 4475 E  | 58640.1 |          |         |         |
| 5000 N   | 4475 E  | 58689.9 | 5200 N   | 4487 E  | 58645.8 |          |         |         |
| 5000 N   | 4487 E  | 58673.6 | 5200 N   | 4500 E  | 58629.1 |          |         |         |
| 5000 N   | 4500 E  | 58673.6 | 5200 N   | 4512 E  | 58623   |          |         |         |
| 5000 N   | 4512 E  | 58665.9 | 5200 N   | 4525 E  | 58613.8 |          |         |         |
| 5000 N   | 4525 E  | 58663.2 | 5200 N   | 4537 E  | 58602.7 |          |         |         |
| 5000 N   | 4537 E  | 58652   | 5200 N   | 4550 E  | 58571.6 |          |         |         |
| 5000 N   | 4550 E  | 58635.3 | 5200 N   | 4562 E  | 58573.1 |          |         |         |
| 5000 N   | 4562 E  | 58621.6 | 5200 N   | 4575 E  | 58583.5 |          |         |         |
|          |         |         | 5200 N   | 4587 E  | 58572.9 |          |         |         |

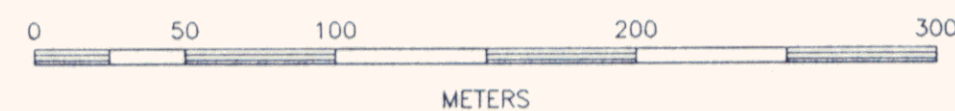
# WESTMIN RESOURCES LIMITED

FAIRCHILD PROJECT, MICA GRID

LINE: 4800N

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

current electrode east of receiving electrodes  
Mx Chargeability is for interval 690 to 1050 msec after shutoff

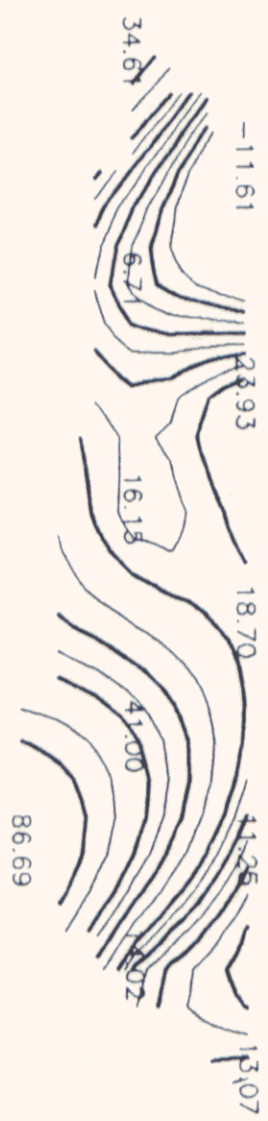
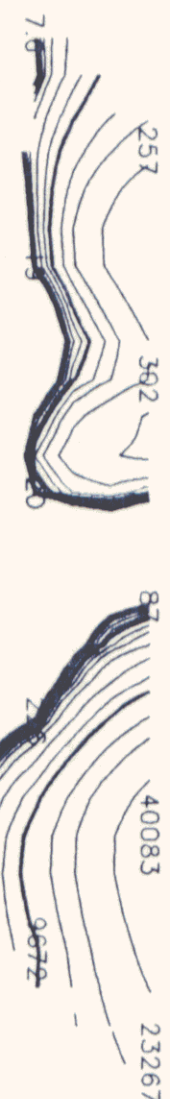


RESISTIVITY  
(ohm-m)

CHARGEABILITY  
(mV/Volt)

75 1 -  
75 2 -  
75 3 -

75 1 -  
75 2 -  
75 3 -



4625E 4700E 4775E 4850E 4925E

Contour levels

10 200  
15 300  
20 500  
30 750  
50 1000  
75 1500  
100 2000  
150 3000  
5000  
15000

LINE:

4800N

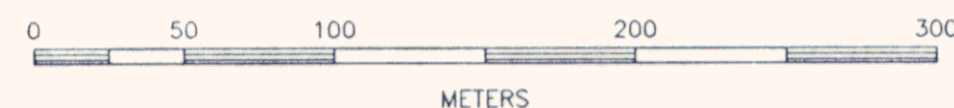
# WESTMIN RESOURCES LIMITED

FAIRCHILD PROJECT, MICA GRID

LINE: 5000N

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

current electrode east of receiving electrodes  
Mx Chargeability is for interval 690 to 1050 msec after shutoff



RESISTIVITY  
(ohm-m)

CHARGEABILITY  
(mV/Volt)

75 1 -  
75 2 -  
75 3 -

75 1 -  
75 2 -  
75 3 -



4625E 4700E 4775E 4850E 4925E

Contour levels

30 750  
50 1000  
75 1500  
100 2000  
150 3000  
200 5000  
300 7500  
500 10000  
15000

LINE:

5000N

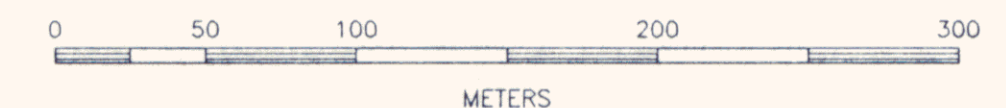
# WESTMIN RESOURCES LIMITED

FAIRCHILD PROJECT, MICA GRID

LINE: 5200N

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

current electrode east of receiving electrodes  
Mx Chargeability is for interval 690 to 1050 msec after shutoff

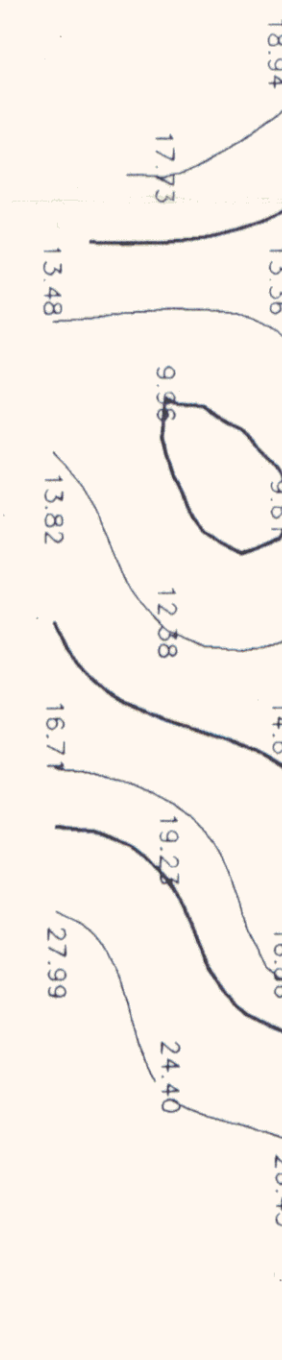
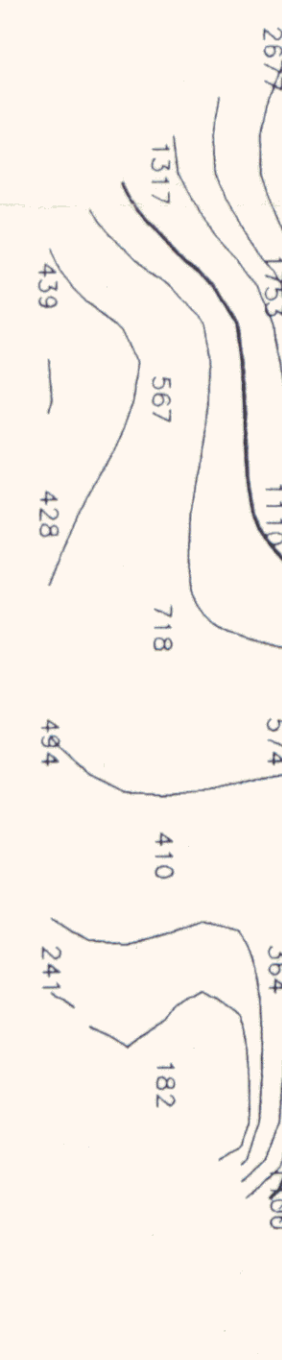


RESISTIVITY  
(ohm-m)

CHARGEABILITY  
(mV/Volt)

75 1 -  
75 2 -  
75 3 -

75 1 -  
75 2 -  
75 3 -



4550E 4625E 4700E 4775E 4850E 4925E

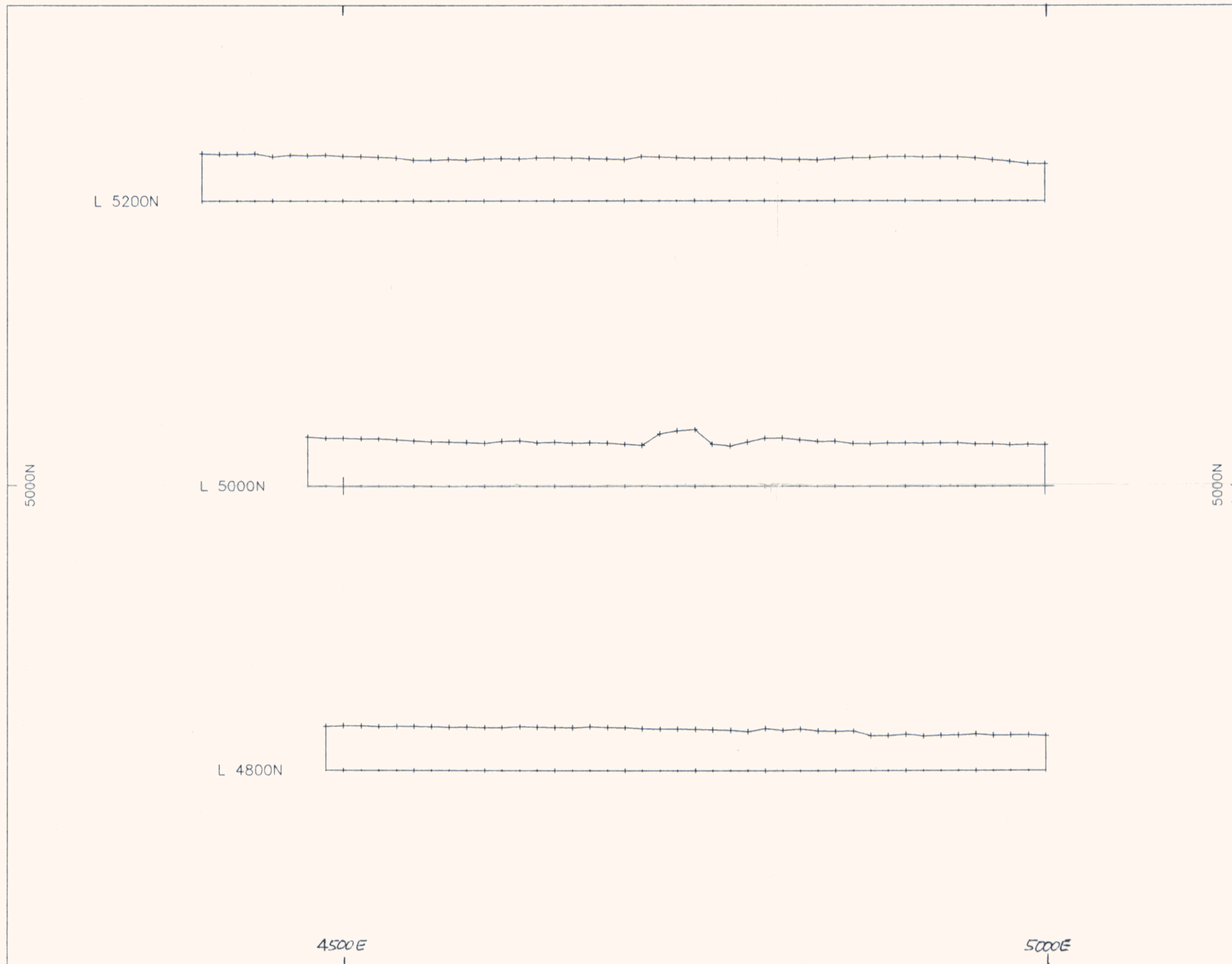
Contour levels

10 200  
12.5 300  
15 500  
17.5 750  
20 1000  
25 1500  
30 2000  
35 3000  
40 5000  
50 7500  
10000

093170

505

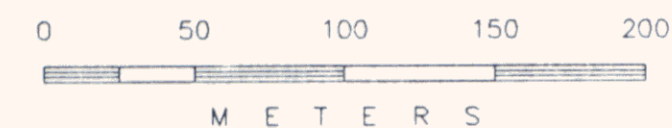
Contour levels



SURVEY SPECIFICATIONS

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

093170



WESTMIN RESOURCES LIMITED

FAIRCHILD LAKE PROJECT

MICA GRID

MAGNETOMETER PROFILES

profile base = 58000 gammas

profile scale = 500 gammas/cm

DRAWN BY: ars

DATE: June/93

SCOTT GEOPHYSICS LTD.

506

**APPENDIX I**  
**GEOLOGISTS' CERTIFICATE**

## GEOLOGIST'S CERTIFICATE

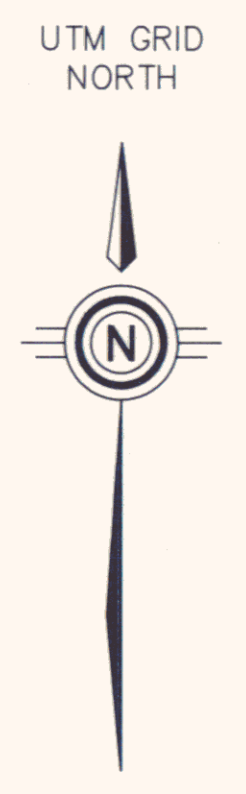
I, MICHAEL A. STAMMERS, of 941 Kennedy Avenue, North Vancouver, in the Province of British Columbia, DO HEREBY CERTIFY:

1. I am a graduate of McMaster University (1977) and hold a combined Honours B.A. in Geology and Geography.
2. I have practiced in my profession with various mining companies in Yukon, British Columbia and the Northwest Territories for 20 years.
3. I am duly registered as a Professional Geoscientist in the Province of British Columbia (#18883).
4. I am a Fellow of the Geological Association of Canada.
5. This report is based on property work I personally completed and/or directly supervised between June 1 and 30, 1993 combined with four years experience in the Wernecke terrain.
6. THAT I have no interest in the property described herein, nor in securities of any company associated with the property, nor do I expect to receive any such interest.
7. THAT I hereby grant permission to Westmin Resources Limited for the use of this report in any prospectus or other documentation required by any regulatory authority.

DATED at Vancouver, B.C., this <sup>NS</sup> ~~11~~ 10 day of February, 1993.4

  
Michael A. Stammers, P.Geol.





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

### LEGEND LITHOLOGIES

- PROTEROZOIC
- I *Igneous Rocks*
    - Idi diorite, gabbro
  - 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
    - Bxx undifferentiated
  - G *Gillespie Lake Group*: Buff-, orange-, grey-, and locally maroon-weathering dolomite, dolomite terrigenous admixtures, limestone, claystone, mudstone, siltstone and fine sandstone.
    - Gdos dolomite, interbedded with dark siltstone, shale, sandstone, "striped transitional unit"
    - Gst siltstone
    - Gxx undifferentiated
  - Q *Quartet Group*: Dark grey- and grey-weathering siltstone, mudstone, claystone and fine sandstone (wavy bedded); local quartzite.
    - Qxx undifferentiated
  - F *Fairchild Lake Group*: Light grey-, greenish grey-, & locally dark grey-weathering shale, siltstone (80%), fine sandstone and limestone (20%); locally phyllites, schists and slates.
    - Fxx undifferentiated

### SYMBOLS

- Geological Contact (approximate)
- Fault (assumed)
- Bedding/Foliation

### ROCK SAMPLE TYPE

- △ GRAB
- ◇ CHANNEL
- LITHO
- FLOAT

### Cu Values in PPM

|   |      |        |
|---|------|--------|
| □ | >1   | 2      |
| ▣ | 2    | 5      |
| ■ | 5    | 35     |
| ■ | 35   | 896    |
| ■ | 896  | 4653   |
| ■ | 4653 | >>>>>> |

093170

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

- All copper values are in ppm, however values containing a "." are assay results converted to ppm.

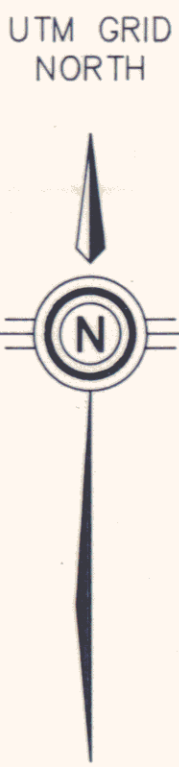
DWG 507

**Westmin Resources Limited**

**FAIRCHILD PROJECT**  
MICA/HAIL/REID PROPERTY  
ROCK SAMPLE GEOCHEMISTRY

|               |             |
|---------------|-------------|
| Work By       | MS/MJ/DC/SD |
| Date Drafted  | 16/12/93    |
| Drafted By    | S. DYKES    |
| Date Revised  | 26/01/94    |
| Revised By    | S. DYKES    |
| N.T.S. Number | 106 D/16    |
| File Name     | FARMICAP    |

|                  |   |     |     |      |        |
|------------------|---|-----|-----|------|--------|
| 200              | 0 | 200 | 400 | 600m | Figure |
| SCALE 1 : 10,000 |   |     |     |      | 4      |



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

### LEGEND

#### LITHOLOGIES

##### PROTEROZOIC

###### I Igneous Rocks

Idi diorite, gabbro

###### 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 Homalithic breccia: ranges from well brecciated to crackle brecciated to non-brecciated wall rocks

Bxx undifferentiated

###### WERNECKE SUPERGROUP

G Gillespie Lake Group: Buff-, orange-, grey-, and locally maroon-weathering dolomite, terrigenous admixtures, limestone, claystone, mudstone, siltstone and fine sandstone.

Gdos dolomite, interbedded with dark siltstone, shale, sandstone, "striped transitional unit"

Gst siltstone

Gxx undifferentiated

Q Quartet Group: Dark grey- and grey-weathering siltstone, mudstone, claystone and fine sandstone (wavy bedded); local quartzite.

Qxx undifferentiated

F Fairchild Lake Group: Light grey-, greenish grey-, & locally dark grey-weathering shale, siltstone (80%), fine sandstone and limestone (20%); locally phyllites, schists and slates.

Fxx undifferentiated

#### SYMBOLS

Geological Contact (approximate)

Fault (assumed)

Bedding/Foliation

#### ROCK SAMPLE TYPE

△ --- GRAB

◇ --- CHANNEL

□ --- LITHO

○ --- FLOAT

#### Au Values in PPB

□ >5 - 5

▣ 5 - 11

▤ 11 - 26

▥ 26 - 76

▦ 76 - 480

▧ 480 >>>>>

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

093170

DWA 508



Westmin Resources Limited

Work By

MS/AM/DC/SD

Date Drafted

16/12/93

Drafted By

S. DYKES

Date Revised

26/01/94

Revised By

S. DYKES

N.T.S. Number

106 D/16

File Name

FARMICAP

### FAIRCHILD PROJECT

MICA/HAIL/REID PROPERTY

ROCK SAMPLE GEOCHEMISTRY

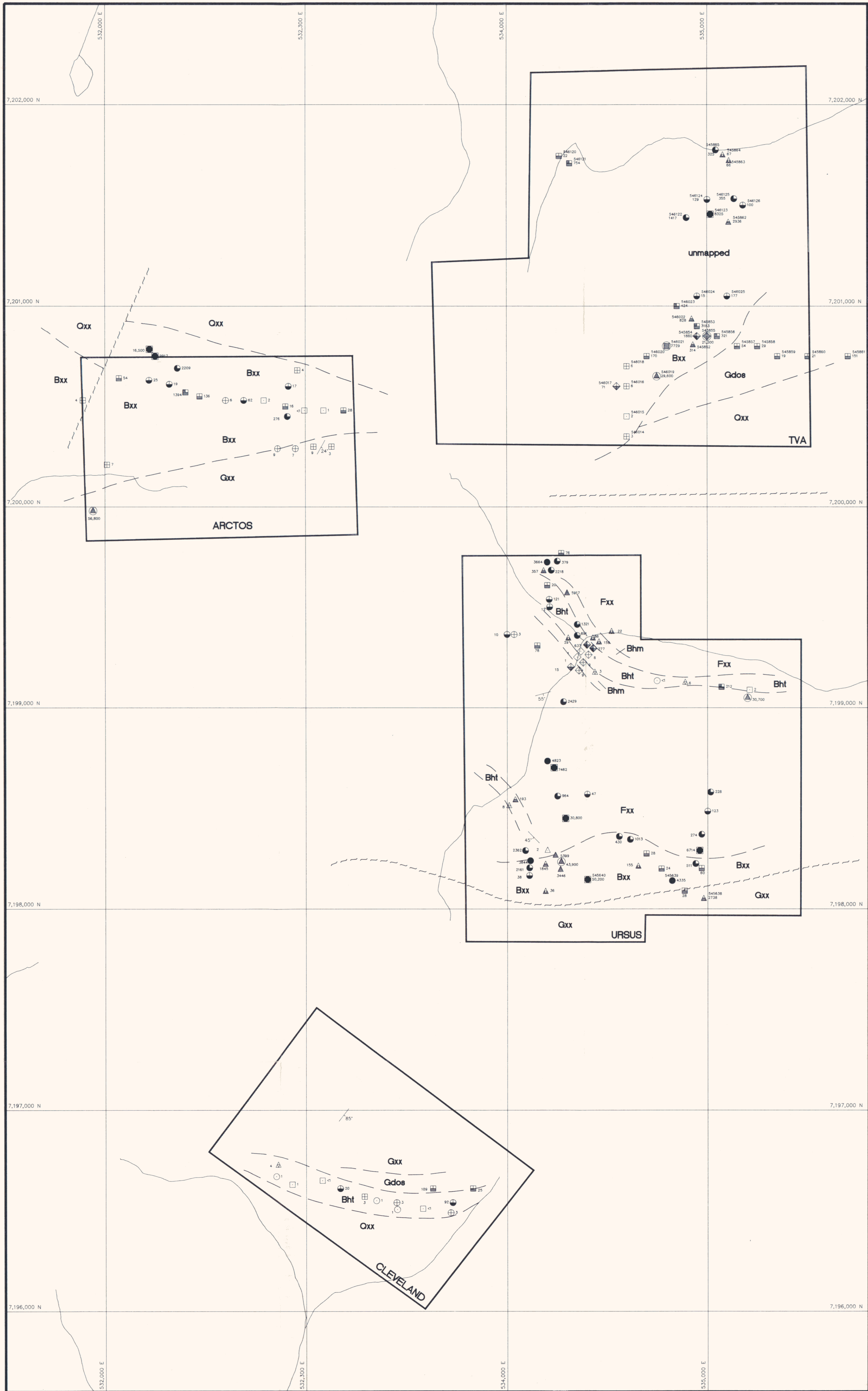
— PAMICON DEVELOPMENTS LTD —

— EQUITY ENGINEERING LTD —

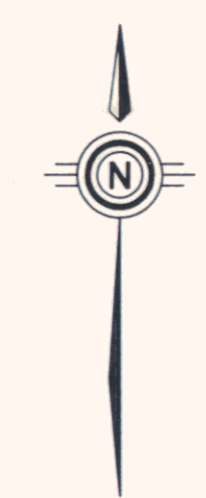
200 0 200 400 600m  
SCALE 1 : 10,000

Figure

5



UTM GRID  
NORTH



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

## LEGEND

### LITHOLOGIES

#### PROTEROZOIC

##### I Igneous Rocks

Idt diorite, gabbro

##### 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

Bxx undifferentiated

#### WERNECKE SUPERGROUP

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Gdos dolomite, interbedded with dark siltstone, shale, sandstone, "striped transitional unit"

Gst siltstone

Gxx undifferentiated

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Qxx undifferentiated

F Fairchild Lake Group: Light grey-, greenish grey-, & locally dark grey-weathering shale, siltstone (80%), fine sandstone and limestone (20%); locally phyllites, schists and slates.

Fxx undifferentiated

### SYMBOLS

--- Geological Contact (approximate)

--- Fault (assumed)

35° Bedding/Foliation

### ROCK SAMPLE TYPE

△ --- GRAB  
◇ --- CHANNEL  
□ --- LITHO  
○ --- FLOAT

### Cu Values in PPM

|   |      |        |
|---|------|--------|
| □ | <1   | 2      |
| □ | 2    | 9      |
| □ | 9    | 181    |
| □ | 181  | 3259   |
| □ | 3259 | 6255   |
| □ | 6255 | >>>>>> |

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

- All copper values are in ppm, however values containing a "," are assay results converted to ppm.

093170 DWG 509



Westmin Resources Limited

Work By  
MS/MJ/DC  
Date Drafted  
16/12/93  
Drafted By  
S. DYKES  
Date Revised  
26/01/94  
Revised By  
S. DYKES  
N.T.S. Number  
106 D/16  
File Name  
FARURSUP

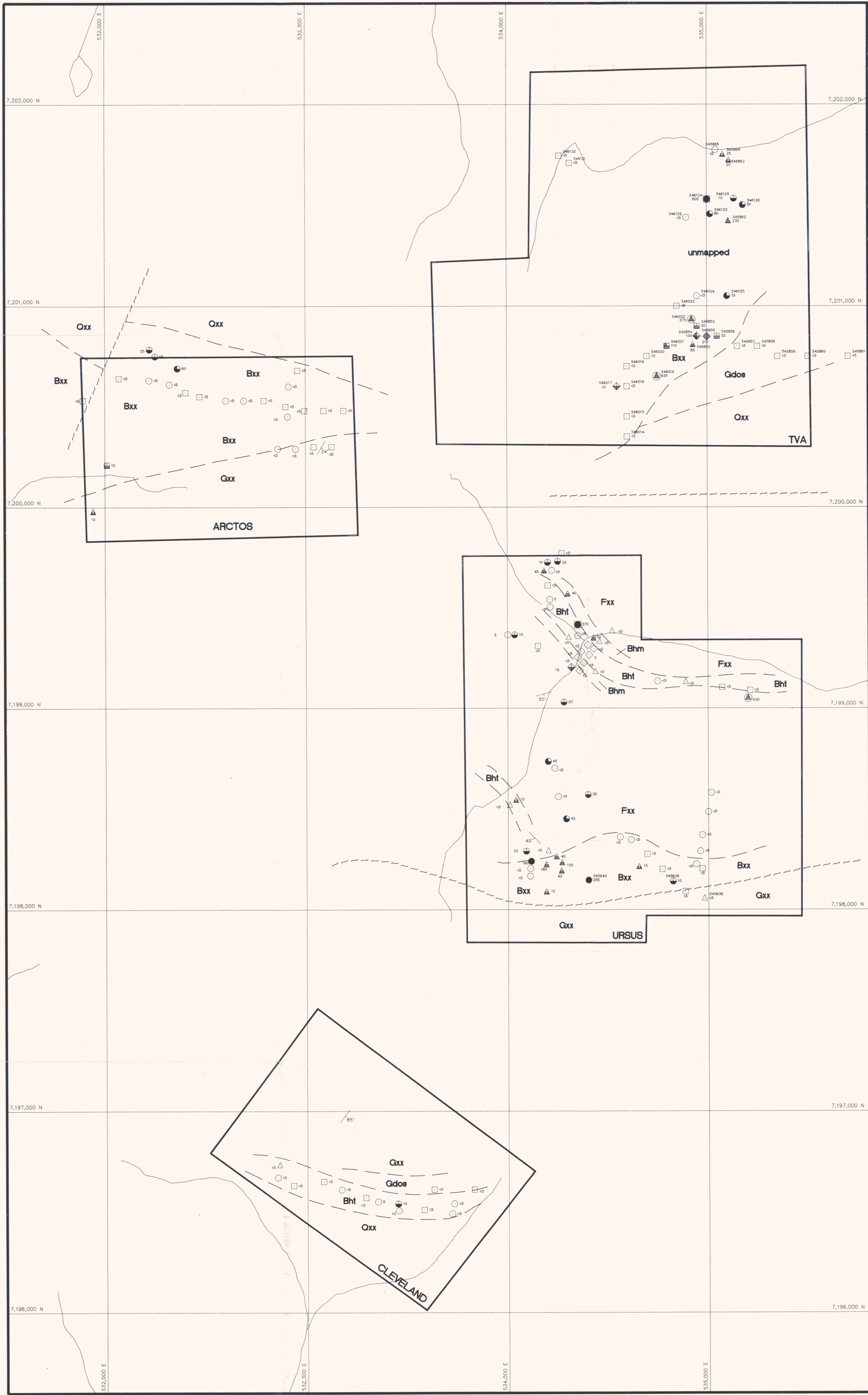
FAIRCHILD PROJECT  
URSUS / TVA PROPERTY  
ROCK SAMPLE GEOCHEMISTRY

— PAMICON DEVELOPMENTS LTD —  
— EQUITY ENGINEERING LTD —

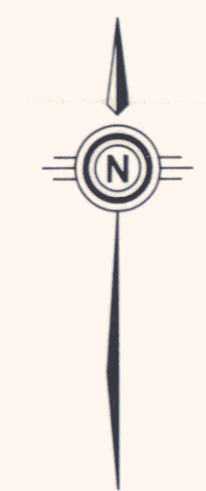
200 0 200 400 600m  
SCALE 1 : 10,000

Figure

6



UTM GRID  
NORTH



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

## LEGEND

### LITHOLOGIES

#### PROTEROZOIC

##### I Igneous Rocks

Idi diorite, gabbro

##### 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

Bxx undifferentiated

##### WERNECKE SUPERGROUP

G Gillespie Lake Group: Buff-, orange-, grey-, and locally maroon-weathering dolomite, dolomite terrigenous admixtures, limestone, claystone, mudstone, siltstone and fine sandstone.

Gdos dolomite, interbedded with dark siltstone, shale, sandstone, "striped transitional unit"

Gst siltstone

Gxx undifferentiated

Q Quartet Group: Dark grey- and grey-weathering siltstone, mudstone, claystone and fine sandstone (wavy bedded); local quartzite.

Qxx undifferentiated

F Fairchild Lake Group: Light grey-, greenish grey-, & locally dark grey-weathering shale, siltstone (80%), fine sandstone and limestone (20%); locally phyllites, schists and slates.

Fxx undifferentiated

### SYMBOLS

Geological Contact (approximate)

Fault (assumed)

35°  
Bedding/Foliation

### ROCK SAMPLE TYPE

△ --- GRAB  
◇ --- CHANNEL  
□ --- LITHO  
○ --- FLOAT

### Au Values in PPB

|   |     |        |
|---|-----|--------|
| □ | <5  | 5      |
| ⊕ | 5   | 9      |
| ■ | 9   | 30     |
| ■ | 30  | 183    |
| ■ | 183 | 267    |
| ■ | 267 | >>>>>> |

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

093170

DWG 510



Westmin Resources Limited

Work By  
MS/MJ/DC  
Date Drafted  
16/12/93  
Drafted By  
S. DYKES  
Date Revised  
26/01/94  
Revised By  
S. DYKES  
N.T.S. Number  
106 D/16  
File Name  
FARURSUP

FAIRCHILD PROJECT  
URSUS / TVA PROPERTY  
ROCK SAMPLE GEOCHEMISTRY

— PAMICON DEVELOPMENTS LTD —  
— EQUITY ENGINEERING LTD —

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

Figure

7