MAP NO.: 106C 12

ASSESSMENT REPORT
PROSPECTUS
CONFIDENTIAL X
OPEN FILE

DOCUMENT NO: 093171
MINING DISTRICT: MAYO
TYPE OF WORK: GEOCHEM

REPORT FILED UNDER: WESTMIN RESOURCES

DATE PERFORMED: JUNE 27, 1993 **DATE FILED:** FEB 21, 1994

LOCATION: **LAT.:** 64°38'N **AREA:** FAIRCHILD LAKE

LONG.: 134°03'W **VALUE $:** 7,600

CLAIM NAME & NO.: JAZZ 1-14(YB28586-599), JAZZ 15-38 (YB28827-850)

WORK DONE BY: M. E. BAKNES

WORK DONE FOR: WESTMIN RESOURCES

DATE TO GOOD STANDING:	

REMARKS: 32 ROCK SAMPLES COLLECTED

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

M.R. file no.

R.M.M.R. file no.

Date forwarded 15 Feb. 94

TRANSMITTAL FORM

From ▶ Mining Recorder at: Mayo

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

For action are:

- ☐ NEW APPLICATION FOR PLACER LEASE TO PROSPECT — Name
- ☐ RENEWAL APPLICATION PLACER LEASE TO PROSPECT — Name — Lease no.
- ☐ AFFIDAVIT OF EXPENDITURE ON PLACER LEASE — Name — Lease no.
- ☐ SECURITY DEPOSIT
- ☐ FINANCIAL ABILITY
- ☐ ASSIGNMENT OF PLACER LEASE NO. — From — To
- ☐ GROUPING APPLICATION UNDER SEC. 52(2) PLACER MINING ACT. — Owner
- ☐ DIAMOND DRILL LOGS — Claims — Claim sheet no.
- ☑ QUARTZ ASSESSMENT REPORT — Claims: Jazz 1-38 — Claim sheet no.: 106-C-12/106-D-9
  - Type of report: Geochemical
  - Submitted by: Mark E. Baknes, Westmin Resources Limited.
  - Cls. work performed on:
  - $ req. for ren. application: 7,600.00

OFFICE OF THE MINING RECORDER FEB 21 1994 YUKON TERRITORY

Signature

Date returned

REPLY ACTION

093171

Signature

802-6027-26 (6-86)

1993 GEOCHEMICAL REPORT ON THE JAZZ 1-38 CLAIMS

Located in the Wernecke Mountains
Mayo Mining District
NTS 106C/12W, 106D/9E
64° 38′ North Latitude
134° 03′ West Longitude

-prepared for-
WESTMIN RESOURCES LIMITED

-prepared by-
Mark E. Baknes, P.Geo.

DATES OF WORK PERFORMED: June 27, 1993
DATE OF REPORT: January, 1994

1993 GEOCHEMICAL REPORT ON THE JAZZ 1-38 CLAIMS

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1.0 INTRODUCTION

The Jazz 1-38 claims are located in the Wernecke Mountains, approximately 148 kilometres northeast of Mayo in east-central Yukon (Figure 1). 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 mineralized breccias and cut by mafic sills and dykes. Exploration to date in the Wernecke Mountains has been directed sporadically at copper from the early 1900's until the discovery of uranium mineralization associated with hematite breccias in 1974. Occurrences of copper and breccia-related copper-gold-cobalt mineralization have been noted in the basin, but were largely bypassed in the search for uranium and lead-zinc deposits between 1974 and 1980. The geological setting of the Wernecke Mountains is considered excellent for hosting Olympic Dam copper-uranium-gold-silver breccia type deposits and the Jazz property was acquired on this basis.

Geological mapping, prospecting and lithogeochemical sampling was carried out on the Jazz property on June 27, 1993. This work program was conducted jointly by Pamicon Developments Ltd. and Equity Engineering Ltd. for Westmin Resources Limited. The same companies have been retained to report on the fieldwork.

2.0 LIST OF CLAIMS

The Jazz property comprises 38 contiguous quartz mineral claims, located in the Mayo Mining District (Figure 2). Government records indicate that the following claims are owned by 50% each by Pamicon Developments Ltd. and Equity Engineering Ltd. of Vancouver B.C.. Separate documents indicate that they are held under option by Westmin Resources Limited of Vancouver B.C..

TABLE 2.0.1
CLAIM DATA

Claim Name	Record Numbers	Record Date	Expiry Date	NTS
Jazz 1-14	YB28586-599	07/06/92	12/31/98*	106D9
Jazz 15-38	YB28827-850	08/24/92	12/31/98*	106D9

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

3.0 LOCATION, ACCESS AND PHYSIOGRAPHY

The Jazz property is located in the Wernecke Mountains of east-central Yukon, approximately 148 kilometres northeast of Mayo (Figure 1). The property is located 10 kilometres south-southwest

WESTMIN RESOURCES LIMITED

FAIRCHILD PROJECT

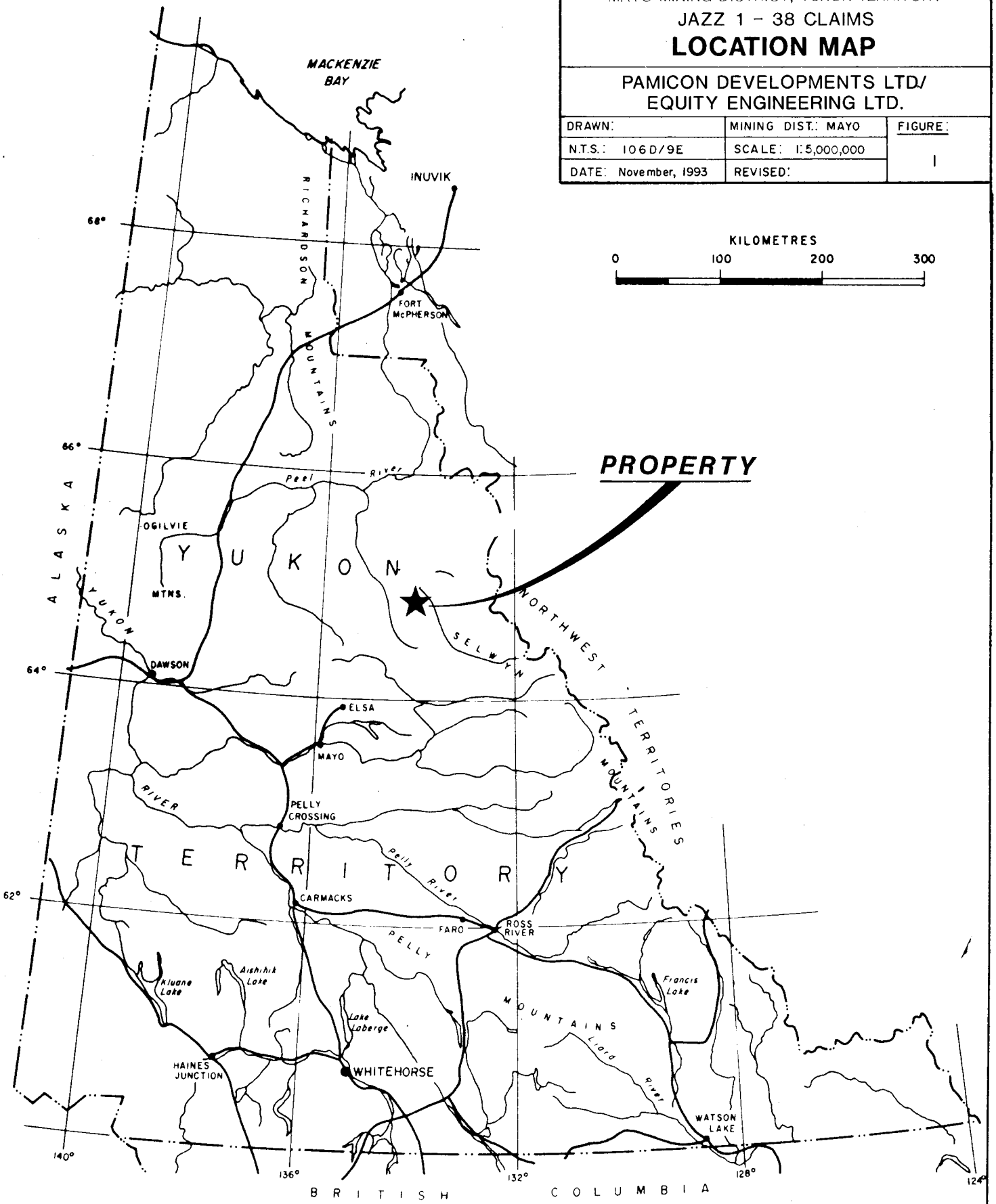
MAYO MINING DISTRICT, YUKON TERRITORY

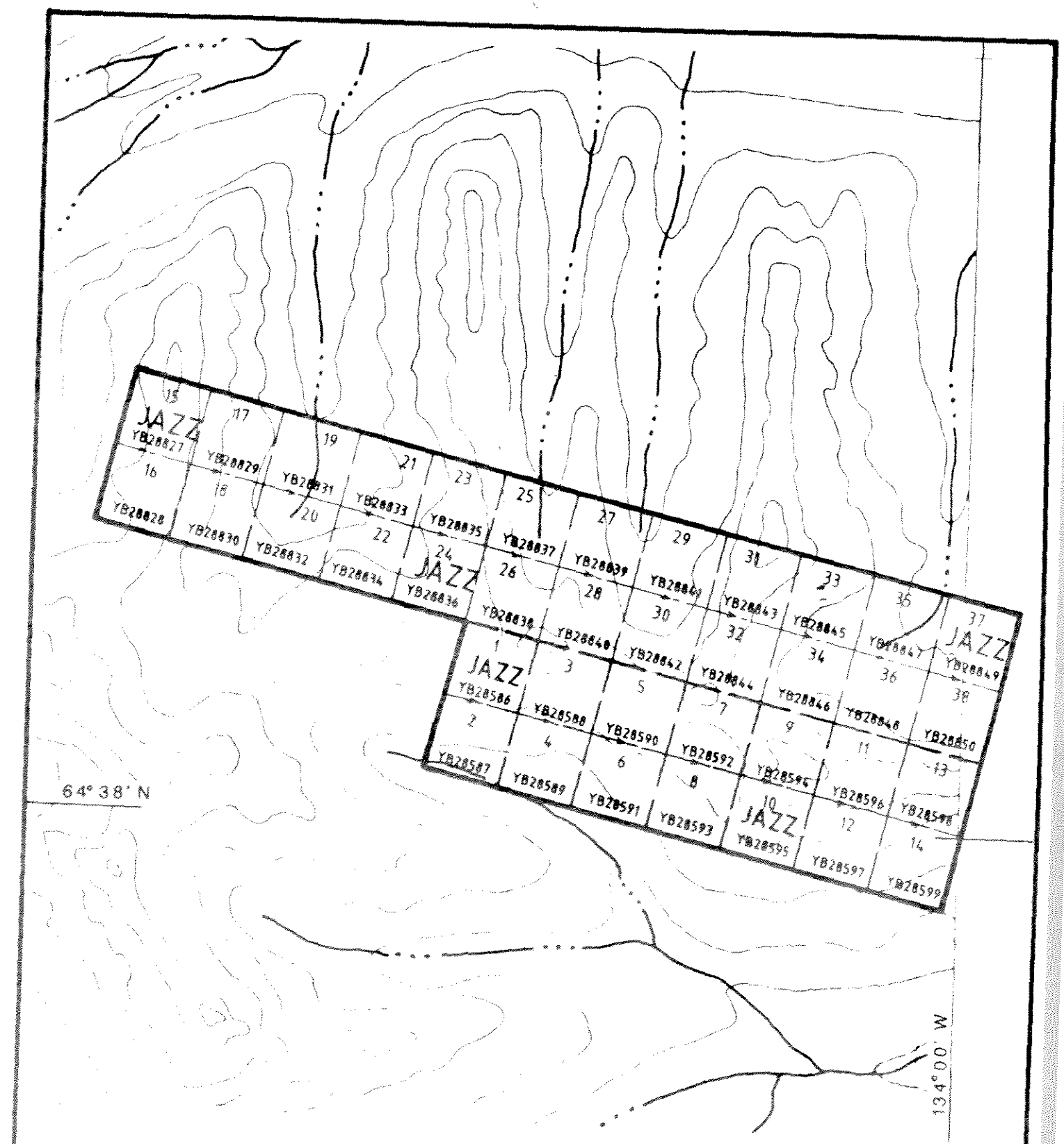
JAZZ 1 - 38 CLAIMS

LOCATION MAP

PAMICON DEVELOPMENTS LTD/
EQUITY ENGINEERING LTD.

DRAWN:	MINING DIST.: MAYO	FIGURE:
N.T.S.: 106D/9E	SCALE: 1:5,000,000	1
DATE: November, 1993	REVISED:	





WESTMIN RESOURCES LIMITED

FAIRCHILD PROJECT

MAYO MINING DISTRICT, YUKON TERRITORY

JAZZ 1 - 38 CLAIMS

CLAIM MAP

PAMICON DEVELOPMENTS LTD./
EQUITY ENGINEERING LTD.

DRAWN:	MINING DIST.: MAYO	FIGURE: 2
N.T.S.: 106D/9E	SCALE: 1:31680	
DATE: December, 1993	REVISED:	

of Gillespie Lake within the Gillespie Creek drainage system. The claims are situated in the Mayo Mining District, centered at 64° 38'north latitude and 134° 03' west longitude.

The Wernecke Mountains may be accessed from Mayo by float plane to a number of well distributed lakes and by wheeled aircraft to the 800 metre long gravel airstrip at Bear River, some 20 kilometres northwest of the Jazz property. Mayo has scheduled air service from Whitehorse. A branch of the Wind River tote road was built through the north end of the project area during the late 1950's to explore the Crest Iron deposit and was re-activated during the coal and uranium exploration boom in the late 1970's. Another winter tote road, which passes immediately to the south of the property, was utilized in the late 1960's for the exploration of copper occurrences at Dolores Creek. During the 1993 field program, access was by helicopter from a camp on a tributary of Breccia Creek located 13 kilometres northeast of the Bear River airstrip.

The area lies on the northern flanks of the Wernecke Mountains and includes the Rackla, Bonnet Plume and Knorr Ranges. The Bonnet Plume and Wind Rivers transect the area in a northwesterly direction. The topography is mountainous and typical of alpine glaciated terranes, with deep valleys and serrated ridges. Elevations on the Jazz property range from 1,370 metres along the creek valley to over 2,000 metres on an unnamed peak on the Jazz 9 claim. The entire area is above tree line, which lies at approximately 1,000 metres. Thick stands of spruce are found only in the major river valleys. Above tree line, vegetation consists of alpine grasses and moss with local concentrations of dwarf birch and alder.

This part of the Yukon did not receive continental Pleistocene glaciation, but was subjected to significant alpine glaciation to form the wide U-shaped valleys of the Bonnet Plume and Wind Rivers. A few receding alpine glaciers are present on north facing slopes.

4.0 AREA AND PROPERTY EXPLORATION HISTORY

4.1 Area Exploration History

The first copper occurrences were noted by trappers working in the region at the turn of the century. In 1935, the McCluskey Lake copper occurrences were staked and the Bonnet Plume and Wind River area received sporadic copper exploration over the next 20 years. Exploration activity was stimulated in the late 1950's when Crest Exploration Limited built a winter road from Elsa into their banded iron deposit in the Snake River area. Work on the Snake River Iron deposit outlined 18.6 billion tonnes averaging 47% iron in the Hadrynian Rapitan Group (Yeo, 1986).

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

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

The 1980's saw very limited exploration throughout the project area. Archer Cathro embarked on a limited exploration campaign to test the gold potential of some of the known uranium occurrences. The lack of recent exploration activity has allowed most of the staked areas to come open.

4.2 Property Exploration History

The Jazz area was first staked in 1976 and explored with mapping and radiometric surveys in 1977 by the Prism Syndicate (Prism Res. Ltd., Canex Placer, Granby Management & Chieftain Dev. CL, assessment report 90298) to investigate uranium and copper showings (Minfile 106D/9-77).

During August of 1992, Westmin Resources Limited carried out a preliminary exploration program on the Jazz property, consisting of lithogeochemical sampling, limited geological mapping and prospecting (Caulfield, 1992). The program was designed to determine the potential for an Olympic Dam copper-uranium-gold-silver breccia type deposit. A total of 54 grab samples and 27 lithogeochemical rock samples were taken.

5.0 1993 EXPLORATION PROGRAM

On August 27, 1993 Westmin Resources Ltd. carried out a field exploration program on the Jazz property, consisting of limited geological mapping, prospecting and follow up of mineralized areas defined by the 1992 work.

Geological mapping was completed on portions of the property and plotted at 1:10,000 scale. A total of 32 rock samples were collected on the property, including 12 grab, 19 lithogeochemical

and 1 chip sample. In the field, sample locations were marked by a metal tag and a combination of pink and blue flagging. All samples were shipped to Chemex Labs and analyzed for gold-lanthanum plus 24-elements by ICP geochemistry. Five overlimit assays were performed for copper. Rock description forms, analytical procedures and complete results are included in the appendices of this report. The statistical analysis and computer drafting was completed by Westmin Resources Limited.

6.0 REGIONAL GEOLOGY

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 mineralized breccias and cut by mafic sill and dykes (Figure 3). The entire succession has been named the Wernecke Supergroup and has been divided into three groups (oldest to youngest): Fairchild Lake Group, Quartet Group and Gillespie Lake Group. To the east and south, the Hadrynian Pinguicula Group unconformably overlies the Wernecke Supergroup. Paleozoic strata bound the western margin and Cretaceous and Tertiary sediments fill the area to the north in the Bonnet Plume Basin.

The first recorded geological mapping in the area was by C. Camsell of the Geological Survey of Canada in 1905, who completed a topographic and geological survey between the Stewart River and Fort McPherson. In 1961, "Operation Ogilvie" was launched and the Nash Creek (106D), Larsen Creek (116A) and Dawson (116B&C) map areas were mapped under the direction of J.A. Roddick and L.H. Green (1972). Mapping of the Nadaleen River map sheet (106C) was started in 1971 by S. Blusson and released in 1974 (Open File 205). The geology of the Wind River (106E) and Snake River (106F) map areas was mapped by D.K. Norris (Open File 279) in 1975. Since 1976, the Geological Survey of Canada, led by R.T. Bell, G.D. Delaney and W.D. Goodfellow have been mapping the Proterozoic basin and studying the uraniferous breccia complexes. Delaney (1985) provides the most updated discussion of the Proterozoic stratigraphy whereas Bell (1977, 1978, 1982, 1986, 1987) focused on the mineralogy, morphology and genesis of the breccia complexes. In addition to this published work, many stratigraphic sections were measured by Pamicon Developments Ltd. during their work programs. The following lithological discussion combines the detailed Pamicon work and that of Delaney. Where applicable, the **Fairchild**, **Quartet** and **Gillespie** subgroups of Delaney (1985) have been bracketed after the Pamicon description.

The Fairchild Lake Group outcrops along the western edge of the Bonnet Plume River at Bond Creek and near the headwaters of the Little Wind River. The thickness is greater than 4,000 metres and the base of this sequence has not been observed. The lowest members of the Fairchild Lake Group consist of light to dark green,

Geology by Pamicon Developments Ltd., Delaney (1985)

Legend on following page.

0 2 4 6
KILOMETRES

N

WESTMIN RESOURCES LIMITED

FAIRCHILD PROJECT

MAYO MINING DISTRICT, YUKON TERRITORY

JAZZ 1 - 38 CLAIMS

REGIONAL GEOLOGY

PAMICON DEVELOPMENTS LTD./
EQUITY ENGINEERING LTD.

DRAWN:	MINING DIST.: MAYO	FIGURE
N.T.S.: 106D/9E	SCALE: 1:100,000	3
DATE: December, 1993	REVISED:	

LEGEND

(to accompany Figure 3)

LITHOLOGIES

QUATERNARY

Q Unconsolidated glacial and alluvial deposits.

PALEOZOIC

P Carbonate and siliciclastic sediments, undivided.

PROTEROZOIC

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

Kd Diabase

Kdi Diorite

Gb Gabbro

Bx *Hematite breccia*

WERNECKE SUPERGROUP

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

Pgtr Transitional Zone: Interbedded dolomite and dark siltstone/shale with characteristic striped appearance.

Pq *Quartet Group:* Dark grey- and grey-weathering siltstone, mudstone, claystone and fine sandstone (wavy bedded); locally quartzites.

Pq_1 Black shale with sandstone and shale interbeds, quartzite.

Pq_2 Pyritic quartzite.

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

Pftr Transitional Zone: Shale and brown-weathering dolomite with limestone marker unit, pyritic black shale.

SYMBOLS

Geological contact (approximate)

Thrust fault (approximate)

Fault (approximate)

Bedding attitude

Bedding (overturned)

Anticlinal axis (arrow indicates plunge)

Synclinal axis (arrow indicates plunge)

Limit of unconsolidated glacial and alluvial deposits

fractured, chloritic siltstone grading upwards into light grey, massively bedded, siliceous siltstone (**F-1**). The remainder of the section consists of alternating repetition of the grey siltstone described above and an interbedded unit of narrow limestone (20%) and siltstone (80%) beds (**F-2**). The interbedded unit is recognized by its "ribbed" weathering. Overlying these units is a sequence of massively bedded, green calcareous siltstone, brown weathering dolomite and a coarser, light green sandstone or quartzite with local magnetite (**F-3, F-4**). The top of this section is marked by a 12.0 metre massively bedded, calcareous white quartzite overlain by thin bedded, green calcareous siltstone and minor limestone. The transitional (**F-Tr**) upper part of the Fairchild Lake Group is measured from the appearance of a well developed phyllite. Overlying the phyllite is a bed of black, soft silty shale, followed by 170 metres of thick, massively interbedded section of brown weathering dolomite with black shale and topped by 120 metres of pyritic, rusty weathering, black shale. Near the top of the dolomite sequence is a distinctive 12 metre thick marker horizon of white, recrystallized limestone. This sequence is typical of a thick miogeoclinal succession.

The Quartet Group consists of greater than 5,000 metres of monotonous dark-grey weathering, fine-grained siliciclastic sediments. Immediately above the red brown weathering shale of the Fairchild Lake Group is a 330 metre thick section of dark grey to black weathering, laminated shales and silty shales (**Q-1**). The balance of the section is comprised of dark grey weathering siltstone and sandstone with interbeds of shale and quartzite (**Q-2**). Primary structures include cross and graded bedding, ripple marks and load casts. Massively bedded quartzites increase in frequency towards the top of the group. The base of Q-2 is marked by a 180 metre thick, rusty weathering, pyritic quartzite unit. The base of the Quartet Group is interpreted by Delaney (1985) to have accumulated in a sediment starved basin with the thicker bedded siliciclastic sediments of Q-2 being typical of shallow marine sediments.

The Gillespie Lake dolomitic rocks exhibit a gradational contact with the underlying Quartet Group. The thickness of the transition zone varies from 25 metres to as much as 700 metres (Delaney, 1981) and consists of massively interbedded, brown to orange weathering dolomite and dark grey to black, calcareous siltstone or shale giving a striped appearance to this unit (**G-TR**). Delaney (1981) has subdivided the remainder of the group into **G-2** through **G-7,** although none of these subgroups can be followed along strike due to dramatic facies changes. Above the transition zone, the Gillespie Lake Group is dominated by bright orange-weathering, grey dolomite with minor black shale, maroon shale and lesser quartzite. Stromatolites, oolites and molar tooth structures occur near the top of the section. The Gillespie Lake Group is a 4,000 metre thick section of terrigenous siliciclastic sediments and shallow marine platformal dolomites.

The overlying Pinguicula Group of Hadrynian age consists of basal andesitic flows overlain by coarse unsorted conglomerate, alternating red and green siltstones/sandstones, and, finally by stromatolitic dolomite. Its lower contact and upper contact, which is marked by glacial deposits of the Rapitan Group (Ekwi Supergroup), are both erosional unconformities.

Strata of the Wernecke Supergroup are cut by numerous hematitic breccia complexes that are enriched in iron, uranium, barium, fluorine, copper, cobalt, rare earths and gold. At least 86 breccia bodies have been identified, which represents about 2% of the surface exposure in the region (Archer and Schmidt, 1978). No breccias cut the younger Pinguicula Group rocks.

The Wernecke Supergroup is cut by diorite dykes/sills, one body of peridotite (Delaney, 1981) and by more felsic intrusive bodies along the east side of the Bonnet Plume River. Several lamprophyre dykes approximately 1.0 metre wide, with books of fresh biotite up to 4.0 centimetres in diameter are found northwest of Fairchild Lake (Archer and Schmidt, 1978). K-Ar dating of biotite points to a Late Proterozoic or Early Cambrian age for these dykes (Delaney, 1981). Gabbroic dykes (**Gb**), tentatively assigned a Helikian age, occur in the southern half of the basin.

The main structural components of the Wernecke terrane are the southeast trending fault splays (Deslauriers, Knorr and Snake River Faults) of the Richardson Fault Array. These faults are interpreted to be deep-seated, long-lived, vertical structures which have undergone considerable right lateral and vertical movement. These faults separate the Wernecke Supergroup from younger Proterozoic rocks to the east. In the western part of the area, Lower Paleozoic rocks unconformably overlie the Wernecke Supergroup, forming spectacular angular unconformities. On a regional scale, sediments dip away from the Bonnet Plume valley causing the Proterozoic rock units to be exposed in a northwest trending anticlinal structure.

The Bonnet Plume valley is considered to be an expression of a major fault splay from the Knorr Fault and the Wind River from the Deslauriers Fault. A secondary northerly set of faults likely controls the topographic linears such as the Slats Creek pass and Fairchild Lake valley.

7.0 PROPERTY GEOLOGY AND MINERALIZATION

7.1 Property Geology

The Jazz property is underlain by a large northwesterly trending hematite breccia complex which has intruded Gillespie Lake Group dolomite of the Wernecke Supergroup (Figure 4, 5). Outcrops

of finely laminated grey to green siltstone, possibly forming rafts of sediments, are found within the confines of the hematite breccia body in the southeast area of the property. These pendants or rafts likely belong to the Quartet Group (**Unit Qxx**). Undisturbed Quartet Group siliciclastic members (**Unit Qxx**) lie to the south of the property across the creek valley. Dolomites (**Unit Gdo**) swing from an east-west strike and moderate southerly dip in the east half of the property to a more northerly strike and easterly dip on the western property boundary. Dolomites consist of orange weathering, medium grey, fine-grained dolomite with less than 5-10%, 1-4 centimetre thick interbeds of cherty argillite and shale. The dolomites display a slaty cleavage and are warped into broad open folds with axes plunging shallowly to the west. Dark grey to black cherty argillite (**Unit Gcha**) overlies the dolomite in a small exposure in the north-central area. The contact represents an angular unconformity and thus, the stratigraphic affinity of the black cherty argillite is uncertain. Dolomites with greater than 30% rhythmically interbedded shales, likely belonging to the Gillespie Lake transition (Pgtr), lie in a fault bound wedge near the north contact of the central breccia area. Structure is characterised by open folding of the dolomite and generally east-west trending, steeply south dipping faults. The east-west faults in the centre of the property form the north contact of the breccia with dolomites and enclose a wedge of transitional dolomite and shale, which indicates normal movement, assuming upright stratigraphy.

The long axis of the hematite breccia body extends over a distance of 3.5 kilometres with greater than 700 metres width in the central area. The breccia is discordant as steep fault contacts with dolomites can be seen along the northern boundary; however, at the head of the central cirque the breccia appears to overlie and be conformable to the black cherty argillite unit (**Unit Gcha**). The northwestern part of the breccia is homolithic (**Unit Bhm**) and contains pink K-feldspar altered and jasperoidal dolomite fragments. The degree of alteration and fragmentation generally increases inward from the margin of the breccia. Typically, the outermost homolithic breccias are framework-supported and consist of slightly rotated angular dolomite fragments in a matrix of quartz, carbonate and specular hematite. Fragments sometimes exceed 30 centimetres, and perhaps even hundreds of metres if the large sections of discordant Quartet Group siltstones in the southeast, can be considered as large rafts or "fragments". Matrix-supported homolithic breccias contain strongly milled fragments that are intensely altered to hard, fine-grained jasper in a matrix of quartz carbonate and specular hematite.

Heterolithic breccias (**Unit Bht**) are restricted to the central and southeast part of the property. Fragments are comprised of siliciclastic sediments, likely derived from the Quartet Group, aphanitic pink K-feldspar altered sediments, grey argillite and possibly fine-grained mafic volcanics or intrusives. Fragments are

angular, average 1-3 centimetres and are rarely greater than 15 centimetres. There is a significant variation in fragment types and intensity of alteration, indicating some degree of vertical movement and mixing associated with brecciation. The breccias are matrix-supported with the matrix comprised of chlorite, quartz, specular hematite, carbonate, locally abundant muscovite ± biotite and feldspar. Specular hematite varies from 3-10% occurring as disseminated crystal masses in the matrix, massive fragment replacements and as veinlets, which cut K-feldspar altered fragments and matrix. The matrix also locally supports euhedral, perhaps porphyroclasts, of feldspar and carbonate. Iron carbonate locally occurs as late stage replacements and stringer stockwork. An interesting feature noted in two localities in the central area of the claims is layering and crude sorting within the heterolithic breccia. This feature might indicate fluid streaming during subsurface brecciation or even bedding that might have developed upon venting of the breccia.

Two narrow, northeast trending gabbroic dykes (**Unit Idi**) of Helikian (?) age crosscut the hematite breccia in the central part of the breccia body. Further to the northwest, a larger dyke marks the contact between the hematite breccia and the dolomite. The dark green diorite/gabbro is medium-grained and comprised of approximately equal proportions of plagioclase feldspar and mafic minerals, including abundant magnetite.

7.2 Mineralization

Copper mineralization is preferentially hosted in heterolithic breccias over homolithic breccias and rarely in nonbrecciated rocks (Figure 4, 5). Copper mineralization is also associated with diorite/gabbro bodies, which appear to cut the breccias. Narrow zones of chalcopyrite and pyrite mineralization, accompanied by intense chlorite and magnetite alteration, occur both in and outside of the diorites primarily as chalcopyrite-carbonate stringers. Chlorite-rich breccias appear to be preferentially mineralized. Maximum values reported from all 1993 samples include 310 ppb gold, 5.2 ppm silver, 537 ppm cobalt, 2.97% copper, and 147 ppm molybdenum. Gold has a positive correlation with silver, copper, molybdenum and tungsten and copper with gold, silver and molybdenum. Copper/gold ratios from mineralized samples are highly variable, but in general, samples from the central and eastern areas have low ratios whereas the western area of the property display high ratios. The highest gold and silver values are associated with the highest copper concentrations and it therefor appears that copper and gold precipitated during the same mineralizing event.

Metallic minerals, in order of abundance, are specular hematite, magnetite, pyrite and chalcopyrite. Tetrahedrite was identified in one 1992 sample (AM92-001) and chalcocite is suspected in three other 1992 samples (19927, 19941, 548103). The

principal copper sulphide in the hematite breccias is chalcopyrite. Pyrite and chalcopyrite are normally disseminated in the breccia matrix, but in a number of higher grade samples, chalcopyrite is concentrated in pods or occurs along late fractures filled with calcite and muscovite. Areas of chalcopyrite mineralization are usually marked by malachite, azurite and rarely erythrite. The common occurrence of pyrite and magnetite on the Jazz property distinguishes the Jazz from the other Fairchild properties.

Anomalous sample results from the 1993 program are shown in Table 7.2.1. Samples 545505-545509 are taken from heterolithic breccias from the east end of the property. Distinctive characteristics of this area are coarse clast size and a possible spatial association of mineralization with diorites. Sample 545507 is a rough chip sample of breccia with sections of massive specular hematite. Samples 545882 and 545884 are talus samples down slope from 545505-545509, which contain fracture controlled chalcopyrite ± carbonate veining within mafic intrusive rocks or strongly chloritic breccias. Sample 545941 is taken from a chloritic heterolithic breccia, with strong K-feldspar and later muscovite alteration. Mineralization is comprised of chalcopyrite-pyrite as blebs and fracture fillings. The mineralization is exposed on a narrow ridge and does not appear to have any significant extent. Samples 546049, 546451 and 546454 are from the west end of the claim group. Samples 546049 and 456451 are float samples of heterolithic breccias with moderate chlorite, K-feldspar and muscovite alteration. Most mineralized float in this area contained less than 1% chalcopyrite, however, the actual extent of this mineralization is not defined. Sample 546454 is a sample of chalcopyrite mineralized diorite/gabbro from an isolated boulder in talus.

TABLE 7.2.1
JAZZ ROCK GEOCHEMISTRY

Sample	Type	Width(m)	Cu(ppm)	Au(ppb)	Ag(ppm)
545505	grab	-	2.74%	310	4.8
545506	grab	-	7910	260	1.0
545507	chip	4.0	9400	40	1.0
545508	grab	-	2.20%	180	4.0
545509	grab	-	2.97%	190	4.8
545882	float	-	1855	<5	<0.2
545884	float	-	5650	45	0.8
545941	grab	-	1.66%	180	3.2
546049	float	-	6050	<5	<0.2
546451	grab	-	1.37%	25	5.2
546454	grab	-	1.22%	80	<0.2

8.0 CONCLUSIONS AND RECOMMENDATIONS

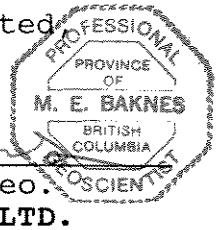
The Jazz property encompasses copper showings associated with

a large northwesterly trending hematite breccia which intrudes Gillespie Lake Group dolomite. One field day was spent prospecting and sampling both, areas of mineralization identified in the 1992 program, and areas of breccia that had not yet been prospected or sampled. This work identified new mineralization at the east end of the property including a 4 metre chip running 9400 ppm copper and a grab sample containing 2.7% copper, 310 ppb gold in heterolithic breccia. Comparable mineralization to that found in sample AM92-001 was not found, however, sample 545941, which was an outcrop grab upslope and to the south of AM92-001, did contain 1.66% copper and 3.2 ppm silver. Sampling at the west end of the property resulted in the identification of copper mineralization in heterolithic breccias and a possible association with diorite/gabbro intrusives.

The Jazz breccias are distinguished from other Wernecke breccias by strong muscovite alteration. Common features of the Jazz and Olympic breccias, are alteration assemblage, breccia textures, mineralization being confined to the heterolithic breccia, and stratigraphic level of emplacement. Another similarity with the Olympic breccia is the high concentrations of barium and potassium and low sodium. These textural and geochemical features contrast with those at the Slab and Hoover properties. The strong potassic alteration with muscovite and the stratigraphic level of emplacement indicate that the Jazz is a high level breccia, relative to the Hoover and Slab breccias.

Further work is warranted on the Jazz property, but this work must be focused on specific areas. Within these areas systematic sampling should include, chip sampling, talus sampling, and soil sampling. Each method should be applied where conditions allow, to better define the areal extent and grade of the mineralized areas. Detailed mapping, at 1:5000 or 1:2500 scale, should be carried out in the specific areas concurrent with the sampling program. Areas that warrant further work are in the central area between samples 548113 and 548117, to the east between 545505 and 548062, and to the west between samples 548104 and 546452.

Respectfully submitted,



Mark E. Baknes, P.Geo.
EQUITY ENGINEERING LTD.

Vancouver, British Columbia
January, 1994

APPENDIX A

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APPENDIX B

LIST OF PERSONNEL

LIST OF PERSONNEL

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

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

Barry Girling (Sr. Prospector)
711, 675 West Hastings Street
Vancouver, B.C. V6B 1N2

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

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

APPENDIX C

STATEMENT OF EXPENDITURES

STATEMENT OF EXPENDITURES
JAZZ 1-38 MINERAL CLAIMS

CANADA) In the matter of an evaluation program on the
) Jazz 1- 38 Mineral Claims

I, Mike Stammers for Pamicon Developments Limited, 711, 675 West Hastings Street, Vancouver, B.C. and Equity Engineering Ltd., 207, 675 West Hastings Street, Vancouver, B.C. do solemnly declare that a program consisting of geological mapping, prospecting and lithochemical survey work was carried out on the Jazz 1-38 Mineral Claims on June 22, 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:

Mike Stammers, P. Geo.			
1.0 days @ $375/day		$ 375.00	
Mark Baknes, P. Geo.			
1.0 days @ $200/day		200.00	
Barry Girling, Prospector			
1.0 days @ $250/day		250.00	
Murray Jones, P. Geo.			
1.0 days @ $300/day		300.00	
Prorated Wages		766.43	$ 1,891.43

EXPENSES:

Helicopter:	Direct	$ 1,620.00	
	Prorated	261.00	
	Fuel	258.74	
Fixed Wing		632.08	
Travel, Accommodation		210.68	
Airfare		47.80	
Camp Food		207.47	
Camp Fuel		7.68	
Camp Rental		197.25	
Rentals:	Radios	30.45	
	Equipment	24.75	
	Truck	67.40	
Field Supplies		83.80	
Freight		6.60	
Telephone		34.97	
Assays		636.32	
Reproductions		30.25	
Report:	Pamicon & Equity	1,106.73	
	Westmin	635.34	
Management Fees		772.50	$ 6,871.81

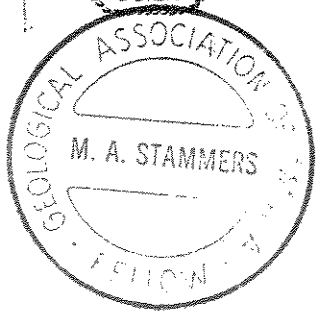
TOTAL: $ 8,763.24

Notes:

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

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

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



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

APPENDIX D

ROCK SAMPLE DESCRIPTIONS

MINERALS AND ALTERATION TYPES

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

ALTERATION INTENSITIES

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

Property : Jazz NTS : 106D/9 Date : December, 1993

Sample No.	UTM :	N	Type : Talus float	Alteration : wCB, sCL, mKF	Au	Ag	Co	Cu	Pb	Zn
		E	Strike Length Exp. : m	Metallics : 1%CP	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
545504	Elevation: 6250 ft		Sample Width : m	Secondaries: wMC	75.	0.8	44.	7690.	<2	96.
	Orientation: /		True Width : m	Host : Breccia near dyke						

Comments : Rustier weathering. Grey-pink with carbonate alteration, no malachite - only when broken. Base of peak - didn't come far.

Sample No.	UTM :	N	Type : Select	Alteration : wCB, mAB	Au	Ag	Co	Cu	Pb	Zn
		E	Strike Length Exp. : 10 m	Metallics : 2%CP, 3%PY	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
545505	Elevation:		Sample Width : 15 cm	Secondaries: sAZ, sMC	310.	4.8	259.	2.74%	<2	168.
	Orientation: /		True Width : 1 m	Host : Breccia						

Comments : Vuggy weathering. Minor shear in breccia, 40m approximately SW.

Sample No.	UTM :	N	Type : Select	Alteration : BI?, sKF	Au	Ag	Co	Cu	Pb	Zn
		E	Strike Length Exp. : 1.5 m	Metallics : 1%CP, 5%PY	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
545506	Elevation: 6100 ft		Sample Width : 20 cm	Secondaries: sAZ, sMC	260.	1.0	537.	7910.	<2	120.
	Faulting : /		True Width : .5 cm	Host : Very coarse clast breccia						

Comments : Very strong copper bloom - in creek gully, possible fault.

Sample No.	UTM :	N	Type : Chip	Alteration : sKF	Au	Ag	Co	Cu	Pb	Zn
		E	Strike Length Exp. : 25 m	Metallics : <1%CP, <1%HS	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
545507	Elevation:		Sample Width : 4 m	Secondaries: mMC	40.	1.0	90.	9400.	<2	146.
	Faulting : /		True Width : 4 m	Host :						

Comments : 4m chip almost continuous malachite, occasional chalcopyrite. Hematite band in middle of sample.

Sample No.	UTM :	N	Type : Select	Alteration : sKF	Au	Ag	Co	Cu	Pb	Zn
		E	Strike Length Exp. : 25 m	Metallics : 1%CP, 50%HS	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
545508	Elevation: 6150 ft		Sample Width : 15 cm	Secondaries: sMC	180.	4.0	89.	2.20%	<2	178.
	Orientation: /		True Width : 15-20 cm	Host : Very coarse clast breccia						

Comments :

Sample No.	UTM :	N	Type : Select	Alteration : mSI	Au	Ag	Co	Cu	Pb	Zn
		E	Strike Length Exp. : 4 m	Metallics : 8%CP, 3%PY	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
545509	Elevation: 6100 ft		Sample Width : 15 cm	Secondaries: sMC	190.	4.8	57.	2.97%	<2	154.
	Orientation: /		True Width : 1.5 m	Host :						

Comments : Diorite dykes in area, appears silicified similar float in talus from above.

Sample No.	UTM :	N	Type : Grab	Alteration : None	Au	Ag	Co	Cu	Pb	Zn
		E	Strike Length Exp. : >100 m	Metallics : trCP, 3.5%HS,1-2%MG, trPY	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
545876	Elevation: 1865 m		Sample Width : 2 m	Secondaries: wMC	20.	0.4	28.	122.	<2	2.
	Bedding : 105 /		True Width : 2 m	Host : Heterolithic hematite breccia - chloritic matrix						

Comments : Mineralized carbonate veining, clasts are pink - hematite +/- KF. Outcrop does contain KF alteration zone - 0.5m wide.

Sample No.	UTM :	N	Type : Grab	Alteration : mKF	Au	Ag	Co	Cu	Pb	Zn
		E	Strike Length Exp. : >100 m	Metallics : 3-5%HS	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
545877	Elevation: 1885 m		Sample Width : 2 m	Secondaries: wMC	25.	<0.2	16.	143.	<2	2.
	Orientation: /		True Width : m	Host : Heterolithic hematite breccia						

Comments :

Sample No.	UTM :	N	Type : Grab	Alteration : wCL, mKF	Au	Ag	Co	Cu	Pb	Zn
		E	Strike Length Exp. : >100 m	Metallics : tr-1CP, 2-3%HS	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
545878	Elevation: 1870 m		Sample Width : 2 m	Secondaries: wMC	<5	<0.2	49.	199.	12.	216.
	Orientation: /		True Width : 2 m	Host : Chloritic breccia/mafic intrusive						

Comments :

Sample No.	UTM :	N	Type : Grab	Alteration : mCB, mKF, wMS	Au	Ag	Co	Cu	Pb	Zn
		E	Strike Length Exp. : >100 m	Metallics : trCP, trPY	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
545879	Elevation: 1875 m		Sample Width : 2 m	Secondaries: mMC	35.	0.4	14.	262.	<2	2.
	Orientation: /		True Width : 2 m	Host : Heterolithic hematite breccia						

Comments : Heterolithic hematite breccia - probably homolithic but with variable clast alteration.

Sample No.	UTM :	N	Type : Float	Alteration : mCB, mKF	Au	Ag	Co	Cu	Pb	Zn
		E	Strike Length Exp. : m	Metallics : 5-10%HS	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
545880	Elevation: 1745 m		Sample Width : m	Secondaries: wMC	15.	<0.2	17.	338.	<2	<2
	Orientation: /		True Width : m	Host : Hematite breccia						

Comments : K-fsp altered, HS in matrix, local homolithic.

Sample No.	UTM :	N	Type : Float	Alteration : mCB, mKF, mQZ	Au	Ag	Co	Cu	Pb	Zn
		E	Strike Length Exp. : m	Metallics : None	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
545881	Elevation: 1735 m		Sample Width : m	Secondaries: wMC	30.	<0.2	21.	647.	<2	<2
	Orientation: /		True Width : m	Host : Breccia-hematite fragments-HS-QZ-CB matrix						

Comments : Weak quartz veining. Sample consists exclusively of orange weathering material selected from talus.

Sample No.	UTM :	N	Type : Float	Alteration : mCL, wKF	Au	Ag	Co	Cu	Pb	Zn
		E	Strike Length Exp. : m	Metallics : 3%CP	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
545882	Elevation: 1735 m		Sample Width : m	Secondaries: wHE, wMC	<5	<0.2	36.	1855.	<2	40.
	Orientation: /		True Width : m	Host : Chloritic breccia? Mineralization - mafic dyke?						

Comments : Fracture controlled copper in dyke?

Sample No.	UTM :	N	Type : Float	Alteration : mCB, mKF	Au	Ag	Co	Cu	Pb	Zn
		E	Strike Length Exp. : m	Metallics : 1%CP, 5-10%HS	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
545883	Elevation: 1720 m		Sample Width : m	Secondaries: wMC	<5.	<0.2	14.	536.	<2	<2
	Orientation: /		True Width : m	Host : Homo-heterolithic breccia						

Comments : Large blocks of heterolithic breccia with malachite. Similar to 545879.

Sample No.	UTM :	N	Type : Float/select	Alteration : mCL	Au	Ag	Co	Cu	Pb	Zn
		E	Strike Length Exp. : m	Metallics : 2-3%CP	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
545884	Elevation: 1720 m		Sample Width : m	Secondaries: mMC	45.	0.8	26.	5650.	<2	20.
	Orientation: /		True Width : m	Host : Mafic intrusive - carbonate veining						

Comments : Not representative - select sample.

Sample No.	UTM :	N	Type : Float/grab	Alteration : mCB, mKF, mMS	Au	Ag	Co	Cu	Pb	Zn
		E	Strike Length Exp. : m	Metallics : 3-5%HS, 1%PY	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
545885	Elevation: 1700 m		Sample Width : m	Secondaries: None	30.	<0.2	30.	37.	<2	2.
	Orientation: /		True Width : m	Host : Hematite heterolithic breccia						

Comments :

Sample No.	UTM :	N	Type : Grab	Alteration : None	Au	Ag	Co	Cu	Pb	Zn
		E	Strike Length Exp. : >100 m	Metallics : None	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
545940	Elevation: 1950 m		Sample Width : m	Secondaries: None	<5	<0.2	<1	10.	<2	28.
	Bedding : 112 / 26 N		True Width : m	Host : Orange weathering grey dolomite						

Comments : Typical bedded orange weathering, dark grey dolomite (Pg) approximately 100m from contact with breccia.

Sample No.	UTM :	N	Type : Grab	Alteration : None	Au	Ag	Co	Cu	Pb	Zn
		E	Strike Length Exp. : 1 m	Metallics : 6%CP, 10%PY?	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
545941	Elevation: 1950 m		Sample Width : m	Secondaries: None	180.	3.2	370.	1.66%	<2	34.
	Orientation: ? /		True Width : m	Host : Heterolithic breccia						

Comments : Very local, strong mineralization in chloritic, heterolithic hematite breccia. Difficult to determine, but may be fracture controlled. Adjacent breccia not mineralized with chalcopyrite.

Sample No.	UTM :	N	Type : Grab	Alteration :	mCB, mCL, sKF, sQZ	Au	Ag	Co	Cu	Pb	Zn
		E	Strike Length Exp. : >50 m	Metallics :	0.5%CP, 10%HS, 1%PY	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
545942	Elevation: 1950 m		Sample Width : m	Secondaries:	None	55.	<0.2	6.	392.	<2	22.
	Orientation: /		True Width : m	Host :	Chloritic heterolithic hematite breccia						

Comments : Typical chloritic potassic heterolithic hematite breccia. Chlorite-quartz-Fe-carbonate-Kspar matrix, variable Kspar altered seds, massive & bedded (Gillespie). Minor CP as 1-3mm blebs both in the matrix & fragments. Minor MS in the matrix & in fractures

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Sample No.	UTM :	N	Type : Grab	Alteration :	mCB, mCL, sKF, sMC, wQZ	Au	Ag	Co	Cu	Pb	Zn
		E	Strike Length Exp. : >50 m	Metallics :	10%HS, trPY	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
545943	Elevation: 1955 m		Sample Width : m	Secondaries:	None	20.	<0.2	5.	114.	<2	24.
	Orientation: /		True Width : m	Host :	Chloritic-muscovite heterolithic hematite breccia						

Comments : Similar to breccia in 545942, but this breccia has 2-5% muscovite in matrix & fragments.

Sample No.	UTM :	N	Type : Grab	Alteration :	wCB, wQZ	Au	Ag	Co	Cu	Pb	Zn
		E	Strike Length Exp. : >50 m	Metallics :	None	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
545944	Elevation: 1850 m		Sample Width : m	Secondaries:	None	<5	<0.2	<1	21.	<2	6.
	Bedding : 112 / 38 N		True Width : m	Host :	Dark grey-greenish grey cherty argillite						

Comments : Above Gillespie, dark grey and greenish laminated cherty argillite, local malachite stain near quartz carbonate veins.

Sample No.	UTM :	N	Type : Grab	Alteration :	wCB, mMS, wQZ	Au	Ag	Co	Cu	Pb	Zn
		E	Strike Length Exp. : >50 m	Metallics :	10%HS, trPY	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
545945	Elevation: 1870 m		Sample Width : m	Secondaries:	None	<5	<0.2	4.	11.	<2	12.
	Orientation: /		True Width : m	Host :	Heterolithic hematite breccia						

Comments : Heterolithic, matrix supported hematite breccia. Strong Kspar alteration, no visible sulphides, near lower contact.

Sample No.	UTM :	N	Type : Float/sel/gr	Alteration :	CB	Au	Ag	Co	Cu	Pb	Zn
		E	Strike Length Exp. : m	Metallics :	HS?, 3%TT?	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
546046	Elevation: 1700 m		Sample Width : m	Secondaries:		<5	<0.2	17.	1.	<2	104.
	Orientation: /		True Width : m	Host :	Altered dolomite						

Comments : Contact zone between gabbro and dolomite; 5x10m area of felsenmeer. Canary yellow mineral-curiosity sample.

Sample No.	UTM :	N	Type : Talus/grab	Alteration :	mCB, mCL, sKF, mMS	Au	Ag	Co	Cu	Pb	Zn
		E	Strike Length Exp. : m	Metallics :	tr-1%CP, <1-2%HS	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
546047	Elevation: 1843 m		Sample Width : m	Secondaries:	None	20.	<0.2	18.	239.	<2	20.
	Orientation: /		True Width : m	Host :	Heterolithic breccia						

Comments : Quartz chalcopyrite uphill on ridge. One clast has chalcopyrite.

Sample No.	UTM :		Type :	Talus/grab	Alteration :	mCB, mCL, mKF, mMS	Au	Ag	Co	Cu	Pb	Zn
		N					(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
		E	Strike Length Exp. :	m	Metallics :	1-2%HS						
546048	Elevation: 1855	m	Sample Width :	2 m	Secondaries:	None	20.	<0.2	23.	120.	<2	26.
	Orientation: /		True Width :	m	Host :							

Comments : 100m north of 546047.

Sample No.	UTM :		Type :	Float/sel/gr	Alteration :	sCB, mCL, mKF, mMS	Au	Ag	Co	Cu	Pb	Zn
		N					(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
		E	Strike Length Exp. :	m	Metallics :	1%CP, <1%HS						
546049	Elevation: 1828	m	Sample Width :	m	Secondaries:	mMC	<5	<0.2	25.	6050.	<2	46.
	Orientation: /		True Width :	m	Host :	Heterolithic breccia						

Comments : Located 80m northwest of 546048. A few mineralized blocks in talus near dolomite contact.

Sample No.	UTM :		Type :	Grab	Alteration :	mCB, wCL, mKF, sMS	Au	Ag	Co	Cu	Pb	Zn
		N					(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
		E	Strike Length Exp. :	m	Metallics :	1-2%HS						
546050	Elevation: 1775	m	Sample Width :	m	Secondaries:	mGE	<5	<0.2	10.	40.	<2	18.
	Orientation: /		True Width :	m	Host :							

Comments : In place, 160m west of 546049.

Sample No.	UTM :		Type :	Tal/sel/grab	Alteration :	sCB, mKF, mMS, sAB	Au	Ag	Co	Cu	Pb	Zn
		N					(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
		E	Strike Length Exp. :	m	Metallics :	2%CP						
546451	Elevation: 1718	m	Sample Width :	m	Secondaries:	mAZ, ER?, sGE, mMC	25.	5.2	18.	1.37%	550.	1592.
	Orientation: /		True Width :	m	Host :	Heterolithic breccia						

Comments : Location 60m west of 546050.

Sample No.	UTM :		Type :	Float/gra/ta	Alteration :	mCB, mCL, sKF, sMS	Au	Ag	Co	Cu	Pb	Zn
		N					(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
		E	Strike Length Exp. :	m	Metallics :	1-2%HS						
546452	Elevation: 1700	m	Sample Width :	m	Secondaries:	None	10.	<0.2	18.	91.	<2	36.
	Orientation: /		True Width :	m	Host :	Heterolithic breccia						

Comments :

Sample No.	UTM :		Type :	Float/gr/tal	Alteration :	sCB, wCL, wKF, sAB	Au	Ag	Co	Cu	Pb	Zn
		N					(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
		E	Strike Length Exp. :	m	Metallics :	tr-1%CP, 2%HS, 1-2%PY						
546453	Elevation: 1690	m	Sample Width :	m	Secondaries:	trMC	25.	<0.2	194.	219.	<2	24.
	Orientation: /		True Width :	m	Host :	Breccia						

Comments : Bleached white border phase that seems to carry chalcopyrite.

Sample No.	UTM :	N	Type : Float/sel/gr	Alteration : sCL, sKF	Au	Ag	Co	Cu	Pb	Zn
		E	Strike Length Exp. : m	Metallics : 3%CP	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
546454	Elevation: 1485 m		Sample Width : m	Secondaries: mGE, mMC	80.	<0.2	38.	1.22%	<2	78.
	Orientation: /		True Width : m	Host : Gabbro						

Comments : No other talus blocks found mineralized. Adjacent to heterolithic breccia.

Sample No.	UTM :	N	Type : Float/grab	Alteration : wCB, mKF, sMS	Au	Ag	Co	Cu	Pb	Zn
		E	Strike Length Exp. : m	Metallics : 3-5%HS	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
546455	Elevation: 1485 m		Sample Width : m	Secondaries: None	15.	<0.2	10.	64.	<2	16.
	Orientation: /		True Width : m	Host : Heterolithic breccia						

Comments :

APPENDIX E

CERTIFICATES OF ANALYSIS

Chemex Labs Ltd.

Analytical Chemists *Geochemists* *Registered Assayers*

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

Phone: (604) 984-0221
Telex: 04-352597
Fax: (604) 984-0218

24-Element Geochemistry Package (24-ICP)

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

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

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

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

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Gold

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

Chemex Code: 100

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

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

Detection limit: 5 ppb

Upper Limit: 10,000 ppb

ChemeX Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

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

PA[redacted]N DE[redacted]PME[redacted]IMIT[redacted]
WESTMIN PROJECT
711 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N4

A9317678

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

CERTIFICATE A9317678

PAMICON DEVELOPMENTS LIMITED

Project: FAIRCHILD
P.O. # :

Samples submitted to our lab in Vancouver, BC.
This report was printed on 31-JUL-93.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
205	169	Geochem ring to approx 150 mesh
274	169	0-15 lb crush and split
285	169	ICP - HF digestion charge

* NOTE 1:

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

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
100	169	Au ppb: Fuse 10 g sample	FA-AAS	5	10000
578	169	Ag ppm: 24 element, rock & core	AAS	0.5	200
573	169	Al %: 24 element, rock & core	ICP-AES	0.01	25.0
565	169	Ba ppm: 24 element, rock & core	ICP-AES	10	10000
575	169	Be ppm: 24 element, rock & core	ICP-AES	0.5	10000
561	169	Bi ppm: 24 element, rock & core	ICP-AES	2	10000
576	169	Ca %: 24 element, rock & core	ICP-AES	0.01	25.0
562	169	Cd ppm: 24 element, rock & core	ICP-AES	0.5	10000
563	169	Co ppm: 24 element, rock & core	ICP-AES	1	10000
569	169	Cr ppm: 24 element, rock & core	ICP-AES	1	10000
577	169	Cu ppm: 24 element, rock & core	ICP-AES	1	10000
566	169	Fe %: 24 element, rock & core	ICP-AES	0.01	25.0
584	169	K %: 24 element, rock & core	ICP-AES	0.01	20.0
570	169	Mg %: 24 element, rock & core	ICP-AES	0.01	20.0
568	169	Mn ppm: 24 element, rock & core	ICP-AES	5	10000
554	169	Mo ppm: 24 element, rock & core	ICP-AES	1	10000
583	169	Na %: 24 element, rock & core	ICP-AES	0.01	5.00
564	169	Ni ppm: 24 element, rock & core	ICP-AES	1	10000
559	169	P ppm: 24 element, rock & core	ICP-AES	10	10000
560	169	Pb ppm: 24 element, rock & core	AAS	2	10000
582	169	Sr ppm: 24 element, rock & core	ICP-AES	1	10000
579	169	Ti %: 24 element, rock & core	ICP-AES	0.01	10.00
572	169	V ppm: 24 element, rock & core	ICP-AES	1	10000
556	169	W ppm: 24 element, rock & core	ICP-AES	10	10000
558	169	Zn ppm: 24 element, rock & core	ICP-AES	2	10000
1006	169	La ppm: 20 element, rock ID	ICP-AES	10	10000

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

Project: Fairchild - Jazz

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

Sample Description	Au ppb	Ag ppm	Al %	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %
545504	75	0.8	5.82	410	3.0	<2	3.18	<0.5	44	78	7693	10.35	2.42	3.98
545505	310	4.8	5.08	450	2.5	<2	2.19	<0.5	259	75	>10000	8.72	2.57	3.88
545506	260	1.0	8.28	450	<0.5	<2	0.26	<0.5	537	91	7912	9.98	3.84	4.17
545507	40	1.0	6.89	860	0.5	<2	1.36	<0.5	90	112	9403	14.15	2.70	4.68
545508	180	4.0	3.14	340	<0.5	<2	0.40	<0.5	89	55	>10000	>25.00	0.71	2.62
545509	190	4.8	7.06	490	0.5	<2	1.41	<0.5	57	92	>10000	5.08	5.50	2.10
545876	20	0.4	7.52	1370	<0.5	4	1.63	<0.5	28	91	122	7.32	7.43	1.94
545877	25	<0.2	7.69	1790	<0.5	4	2.87	<0.5	16	77	143	6.76	8.05	2.42
545878	<5	<0.2	6.78	1310	<0.5	<2	3.36	<0.5	49	49	199	10.39	4.54	3.01
545879	35	0.4	6.46	1080	<0.5	4	3.58	0.5	14	82	262	5.30	5.33	2.74
545880	15	<0.2	5.96	3430	<0.5	2	2.86	<0.5	17	85	338	6.93	5.71	1.85
545881	30	<0.2	7.56	1070	<0.5	4	2.38	<0.5	21	126	647	6.86	9.06	1.26
545882	<5	<0.2	4.98	330	<0.5	<2	2.71	<0.5	36	96	1854	14.40	1.55	3.49
545883	20	<0.2	6.58	1320	<0.5	2	3.15	<0.5	14	82	536	6.22	7.82	1.65
545884	45	0.8	5.90	750	<0.5	<2	5.50	0.5	26	53	5646	4.40	4.85	5.68
545885	30	<0.2	5.15	490	<0.5	2	2.41	<0.5	30	85	37	10.05	5.58	1.16
546046	<5	<0.2	1.35	10	<0.5	<2	4.19	0.5	17	41	1	9.96	0.03	17.22
546047	20	<0.2	6.66	1390	0.5	<2	3.51	<0.5	18	115	239	6.29	6.27	1.51
546048	20	<0.2	7.75	1520	0.5	<2	0.87	<0.5	23	106	120	6.79	5.78	0.96
546049	<5	<0.2	5.56	750	<0.5	2	7.24	<0.5	25	59	6049	5.83	4.21	3.48
546050	<5	<0.2	6.93	890	0.5	<2	3.98	<0.5	10	75	40	4.49	6.46	1.76
546451	25	5.2	6.69	1210	0.5	38	5.68	21.5	18	78	>10000	4.19	6.27	2.36
546452	10	<0.2	6.62	1240	<0.5	<2	2.84	<0.5	18	86	91	7.53	6.55	0.94
546453	25	<0.2	5.04	400	0.5	6	5.96	<0.5	194	123	219	4.85	4.55	2.43
546454	80	<0.2	6.28	270	<0.5	<2	1.75	<0.5	38	88	>10000	9.29	2.62	3.11
546455	15	<0.2	6.84	630	<0.5	4	3.21	0.5	10	67	64	5.19	6.34	1.28
545940	<5	<0.2	4.19	410	<0.5	<2	10.43	<0.5	<1	76	10	2.04	2.43	7.78
545941	180	3.2	6.02	200	<0.5	<2	1.65	<0.5	370	82	>10000	13.39	3.77	3.03
545942	55	<0.2	6.17	1150	<0.5	<2	4.22	<0.5	6	102	392	6.73	5.34	1.76
545943	20	<0.2	7.02	1070	1.0	<2	1.75	<0.5	5	87	114	6.58	6.40	1.62
545944	<5	<0.2	8.85	310	2.0	<2	0.21	<0.5	<1	124	21	0.81	3.31	0.44
545945	<5	<0.2	5.85	840	0.5	<2	4.08	<0.5	4	79	11	4.42	5.96	2.12

Certification: Heidi Buchler

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

Project: Fairchild - Jazz

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 %
545504	780	13	0.80	50	1090	<2	25	0.27	116	10	96	<10	
545505	1330	49	0.34	36	650	<2	12	0.19	140	40	168	30	2.74
545506	430	23	1.37	65	1000	<2	22	0.15	79	10	120	30	
545507	800	34	0.79	137	550	<2	19	0.46	284	10	146	20	
545508	290	334	0.11	134	1710	<2	6	0.16	581	<10	178	10	2.20
545509	885	62	0.85	37	780	<2	28	0.08	53	40	154	10	2.97
545876	895	10	0.25	31	1130	<2	27	0.18	90	<10	2	50	
545877	1605	16	0.26	38	1180	<2	40	0.15	77	10	2	90	
545878	990	<1	0.71	41	290	12	124	0.94	438	10	216	<10	
545879	1430	9	0.27	23	1200	<2	30	0.12	72	10	2	30	
545880	1085	6	0.25	19	780	<2	424	0.14	90	10	<2	20	
545881	825	21	0.24	15	1200	<2	35	0.19	77	10	<2	150	
545882	610	1	0.44	57	980	<2	18	0.80	395	<10	40	<10	
545883	1175	3	0.20	10	780	<2	30	0.15	76	<10	<2	20	
545884	1485	1	0.27	48	520	<2	29	0.69	213	20	20	<10	
545885	870	13	0.13	28	910	<2	679	0.12	59	<10	2	20	
546046	860	<1	0.10	5	180	<2	6	0.04	69	<10	104	<10	
546047	2250	14	0.19	20	1130	<2	25	0.12	66	<10	20	40	
546048	1115	8	0.20	40	850	<2	21	0.13	59	<10	26	30	
546049	6440	2	0.21	15	800	<2	27	0.12	51	<10	46	<10	
546050	2465	<1	0.25	12	680	<2	20	0.16	48	<10	18	70	
546451	3755	13	0.23	12	1380	550	28	0.14	77	<10	1592	40	1.37
546452	3010	9	0.24	25	1150	<2	28	0.08	57	<10	36	50	
546453	3820	8	0.18	61	1060	<2	20	0.08	50	<10	24	40	
546454	2610	12	0.20	74	230	<2	10	0.32	111	<10	78	<10	1.22
546455	2730	<1	0.41	19	640	<2	13	0.15	47	<10	16	20	
545940	820	1	0.31	16	120	<2	41	0.14	45	<10	28	<10	
545941	1285	31	0.28	61	370	<2	9	0.12	140	20	34	10	1.66
545942	2585	9	0.29	27	1070	<2	29	0.11	80	<10	22	110	
545943	1440	6	0.32	28	1180	<2	24	0.12	77	<10	24	80	
545944	125	<1	2.04	7	260	<2	17	0.24	70	<10	6	60	
545945	3495	3	0.36	14	570	<2	21	0.11	43	<10	12	20	

Certification: Stewart Buchler

APPENDIX F

STATISTICAL ANALYSIS

INTEROFFICE MEMO

DATE : JAN 25/1994 COPIES TO:

FROM : S. DYKES

TO : PROJECT FILE

SUBJECT : 1993 FAIRCHILD PROJECT STATISTICS.

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

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

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

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

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

THRESHOLDS USED ON MAPS.

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

Respectfully submitted

Shaun M. Dykes

Shaun M. Dykes
Project Geologist

TABLE #1

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

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

NORMAL DATA

(* - indicates only 1992 sample data)

FILE=93NORM

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

Produced by GEO-LOGIC SYSTEM and QUATTRO PRO

::

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

Length Weighted Detection Limit Samples Ignored No Recovery Weighting Used

NORMAL DATA

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

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

Produced by GEO-LOGIC SYSTEM and QUATTRO PRO

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

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

NORMAL DATA

(* - indicates only 1992 sample data)

FILE=93NORM

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

Produced by GEO-LOGIC SYSTEM and QUATTRO PRO

TABLE #2

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

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

NORMAL DATA

(* - indicates only 1992 sample data)

FILE=93HALF

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

Produced by GEO-LOGIC SYSTEM and QUATTRO PRO

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

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

NORMAL DATA
(* - indicates only 1992 sample data)

FILE=93HALF

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

Produced by GEO-LOGIC SYSTEM and QUATTRO PRO

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

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

NORMAL DATA

(* - indicates only 1992 sample data)

FILE=93HALF

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

Produced by GEO-LOGIC SYSTEM and QUATTRO PRO

TABLE #3

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

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

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

FILE=93LNORM

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

Produced by GEO-LOGIC SYSTEM and QUATTRO PRO

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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

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

Produced by GEO-LOGIC SYSTEM and QUATTRO PRO

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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

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

Produced by GEO-LOGIC SYSTEM and QUATTRO PRO

TABLE #1

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

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

NORMAL DATA

(* - indicates only 1992 sample data)

FILE=93STAT

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

Produced by GEO-LOGIC SYSTEM and QUATTRO PRO

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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 107 mean	stand. Dev.	95 %	Samples	ROCK TYPE -> OLYM 40 mean	stand. Dev.	95 %	Samples	0.000 0 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

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

Produced by GEO-LOGIC SYSTEM and QUATTRO PRO

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

Length Weighted Detection Limit Samples Ignored No Recovery Weighting Used

NORMAL DATA
(* - indicates only 1992 sample data)

FILE=93STAT

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

Produced by GEO-LOGIC SYSTEM and QUATTRO PRO

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

Length Weighted Detection Limit Samples Ignored No Recovery Weighting Used

NORMAL DATA
(* - indicates only 1992 sample data)

FILE=93STAT

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

Produced by GEO-LOGIC SYSTEM and QUATTRO PRO

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

Length Weighted Detection Limit Samples Ignored No Recovery Weighting Used

NORMAL DATA

(* - indicates only 1992 sample data)

FILE=93STAT

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

Produced by GEO-LOGIC SYSTEM and QUATTRO PRO

TABLE #2

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

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

NORMAL DATA

(* - indicates only 1992 sample data)

FILE=93STATDT

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

Produced by GEO-LOGIC SYSTEM and QUATTRO PRO

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

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

NORMAL DATA
(* - indicates only 1992 sample data)

FILE=93STATDT

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

Produced by GEO-LOGIC SYSTEM and QUATTRO PRO

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

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

NORMAL DATA

(* - indicates only 1992 sample data)

FILE=93STATDT

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

Produced by GEO-LOGIC SYSTEM and QUATTRO PRO

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

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

NORMAL DATA

(* - indicates only 1992 sample data)

FILE=93STATDT

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

Produced by GEO-LOGIC SYSTEM and QUATTRO PRO

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

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

NORMAL DATA
(* - indicates only 1992 sample data)

FILE=93STATDT

		ROCK TYPE -> ARCT			25	ROCK TYPE -> REID			19	ROCK TYPE -> EAGL			22
element		mean	stand. Dev.	95 %	Samples	mean	stand. Dev.	95 %	Samples	mean	stand. Dev.	95 %	Samples
AU	ppb	7	12.12	26.25	25	22.89	22.22	77.27	19	96.93	247.64	178.50	22
AG	PPM	0.3	0.6	1.61	25	2.77	4.28	15.05	19	1.29	2.86	7.63	22
AL	%	5.77	1.83	7.45	25	3.35	1.69	6.42	19	5.63	2.33	8.37	22
BA	PPM	2333.6	2015.51	6375	25	84.74	141.66	631.75	19	815.00	923.86	2975.00	22
BE	PPM	0.33	0.17	0.52	25	0.34	0.23	0.99	19	0.35	0.26	1.02	22
BI	PPM	5.36	5.35	14.63	25	340.05	908.04	3762.5	19	51.86	190.44	95.00	22
CA	%	5.54	4.53	16.75	25	0.35	0.87	3.01	19	6.54	5.59	17.85	22
CD	PPM	0.4	0.21	1.01	25	0.46	0.62	2.86	19	8.97	39.94	9.95	22
CO	PPM	36.12	71.42	255	25	49.53	135.2	596.75	19	105.07	284.14	1011.50	22
CR	PPM	72.92	43	109.17	25	64.05	64.71	195.75	19	8.82	4.42	16.90	22
CUG	PPM	1368.3	3215.64	10066.67	25	5694.68	3833.61	10299.58	19	3857.82	3716.32	10241.00	22
CUA	%	3.66	2.01	5.95	2	5.16	2.81	10.29	6	2.78	2.42	7.65	5
FE	%	4.93	2.78	10.32	25	3.96	2.76	10.53	19	4.47	4.82	8.90	22
K	%	2.63	1.96	5.96	25	0.94	1.28	4.81	19	2.52	1.72	4.49	22
MG	%	3.61	3.33	11.69	25	1.32	0.84	2.55	19	0.86	0.97	1.74	22
MN	PPM	3023.4	1457.54	5556.25	25	233.68	466.71	1905	19	2516.82	2433.28	8670.00	22
MO	PPM	1.46	2.69	10.24	25	1.29	0.78	2.9	19	8.89	18.98	26.55	22
NA	%	2.09	1.78	5.36	25	0.04	0.06	0.24	19	1.72	1.48	4.51	22
NI	PPM	26.52	26.78	82.88	25	204.53	507.13	2257.5	19	565.05	2083.53	1950.00	22
P	PPM	777.2	801.7	1950	25	272.76	294.12	1278.75	19	843.75	386.68	1415.50	22
PB	PPM	2.12	2.64	8.29	25	5.05	5.51	19.57	19	13.36	38.83	28.02	22
SR	PPM	116.24	147.86	306.25	25	6.16	3.33	14.49	19	140.95	78.73	338.00	22
TI	%	0.22	0.21	0.76	25	0.02	0.03	0.1	19	0.01	0.00	0.01	22
V	PPM	74.6	69.78	191.25	25	25.05	15.37	58.1	19	55.75	27.87	90.77	22
W	PPM	42.6	89.84	155	25	15.13	29.95	101.44	19	48.30	168.29	156.00	22
ZN	PPM	46.24	39.93	127.5	25	76.95	100.99	401.25	19	44.55	50.35	148.50	22
LA	PPM	20.8	29.37	80.63	25	15.39	10.58	29.52	19	35.57	88.61	198.00	22
U	PPM	5.4	8.02	28.75	25	2.5	0	2.5	6	0.00	0.00	0.00	0
KNR		8.94	15.51	35	25	3.01	5.08	18.07	19	1.41	1.17	3.57	22
CCR		2.63	6.58	13.13	25	96.35	137.27	456.75	19	65.22	70.15	198.00	22
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
FIR		0.55	0.11	0.78	16	3.11	7.34	5.8	24	0.50	0.00	0.50	33
PIR		0.57	0.14	0.89	16	2.74	2.93	8.1	24	0.50	0.00	0.50	33
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 mean	stand. Dev.	95 %	1359 Samples	ROCK TYPE -> HOOV mean	stand. Dev.	95 %	192 Samples	ROCK TYPE -> SLAB mean	stand. Dev.	95 %	191 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

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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
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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
FIR		6.8	0.94	41.69	59	5.33	0.62	11.81	77	2.37	0.71	6.24	78
PIR		7.3	0.8	32.47	58	8.68	0.73	18.26	78	3.62	0.88	8.50	76
LIR		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

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

Length Weighted Detection Limit Samples Ignored No Recovery Weighting Used

NATURAL LOG DATA

(* - indicates only 1992 sample data)

FILE=93STATDT

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

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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

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FILE=93STATDT

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

Produced by GEO-LOGIC SYSTEM and QUATTRO PRO

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

Length Weighted Detection Limit Samples Ignored No Recovery Weighting Used

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

FILE=93STATDT

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

Produced by GEO-LOGIC SYSTEM and QUATTRO PRO

TABLE #4

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

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

NATURAL LOG DATA

(* - indicates only 1992 sample data)

FILE=93STATDT

		ALL DATA			1359	ROCK TYPE -> HOOV			192	ROCK TYPE -> SLAB			191
	Element	mean	stand. Dev.	95 %	Samples	mean	stand. Dev.	95 %	Samples	mean	stand. Dev.	95 %	Samples
AU	ppb	34.8	1.64	242.64	1359	54.63	1.86	537.64	192	101.42	2.02	619.27	191
AG	PPM	0.3	1.14	2.42	1359	0.18	0.76	0.82	192	0.67	1.56	7.00	191
AL	%	8.97	1.04	9.25	1359	10.28	1.14	11.16	192	8.50	0.79	9.16	191
BA	PPM	1027.8	1.38	2783.31	1359	951.18	1.73	2536.36	192	727.18	0.98	1369.22	191
BE	PPM	0.5	0.77	2.09	1359	0.87	1.06	3.64	192	1.09	0.95	3.75	191
BI	PPM	3.94	1.04	11.07	1359	3.39	1	10.21	192	3.39	0.93	9.55	191
CA	%	10.68	1.9	11.9	1359	25.78	2.5	13.24	192	8.93	1.53	10.69	191
CD	PPM	0.37	0.51	0.5	1359	0.29	0.3	0.5	192	0.37	0.43	0.50	191
CO	PPM	32.16	1.42	104.97	1359	18.17	1.53	51.74	192	31.09	1.26	113.77	191
CR	PPM	85.51	1.09	143.01	1359	55.07	1.25	145.21	192	97.36	0.77	145.17	191
CUG	PPM	7507.23	2.82	14775.52	1359	12601.1	2.85	13847.22	192	12257.03	2.85	12561.44	191
CUA	%	3.38	0.78	10.71	145	3.63	0.79	16.45	36	2.28	0.51	5.63	23
FE	%	7.4	1.14	12.13	1359	10.42	1.69	12.37	192	3.46	0.83	7.36	191
K	%	12.27	2.12	8.7	1359	16.69	2.92	7.28	192	4.80	1.42	4.91	191
MG	%	5.45	1.94	5.06	1359	1.97	2.54	2.69	192	2.00	1.33	2.29	191
MN	PPM	2172.89	1.21	4418.97	1359	1272.09	0.9	3709.71	192	1104.12	0.74	2637.92	191
MO	PPM	4.58	1.38	27.5	1359	2.68	1.17	14.12	192	6.66	1.53	33.24	191
NA	%	5.17	2.17	5.97	1359	13.56	2.3	7.55	192	3.51	0.99	5.32	191
NI	PPM	34.9	0.86	91.16	1359	26.51	0.88	74.17	192	30.78	0.63	68.29	191
P	PPM	1002.83	1	1473.85	1359	1046.57	1.14	1615.24	192	1057.73	0.75	1475.89	191
PB	PPM	2.99	1.05	13.12	1359	1.75	0.7	7.68	192	4.48	1.19	17.64	191
SR	PPM	76.12	1.06	256.95	1359	75.83	0.7	217.92	192	137.87	0.68	286.06	191
TI	%	0.31	1.72	0.58	1359	0.08	1.65	0.28	192	0.38	1.38	0.41	191
V	PPM	82.22	0.85	243.66	1359	60.16	0.81	116.22	192	73.26	0.88	116.51	191
W	PPM	24.01	1.33	97.02	1359	17.23	1.45	153.75	192	18.05	1.32	129.54	191
ZN	PPM	54.98	1.33	146.52	1359	48.34	1.73	132.81	192	54.99	1.28	107.86	191
LA	PPM	46.2	1.47	139.43	1359	40.45	1.63	146.68	192	27.37	1.41	100.64	191
U	PPM	7.68	1.05	41.79	1019	7.24	1.07	42.64	92	6.39	0.97	38.80	167
KNR		11.51	1.89	41.07	1359	2.4	1.65	6.58	192	1.64	1.05	3.85	191
CCR		42.03	2.69	124.79	1359	125.36	2.76	246.05	192	30.25	2.52	100.13	191
FIR		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 Limiit Used | No Recovery Weighting Used

NATURAL LOG DATA

(* - indicates only 1992 sample data)

FILE=93STATDT

	element	ROCK TYPE -> URSU 65				ROCK TYPE -> JAZZ 112				ROCK TYPE -> RAM 80			
		mean	stand. Dev.	95 %	Samples	mean	stand. Dev.	95 %	Samples	mean	stand. Dev.	95 %	Samples
AU	ppb	23.43	1.53	204.13	65	44.79	1.37	196.48	112	37.98	1.71	298.42	80
AG	PPM	0.27	1.05	1.65	65	0.34	1.16	2.83	112	0.46	1.30	3.69	80
AL	%	6.57	0.81	9.53	65	6.61	0.5	8.13	112	7.17	0.44	8.44	80
BA	PPM	657.32	0.95	1853.95	65	1171.02	0.91	2046.41	112	1335.62	1.22	2127.74	80
BE	PPM	0.4	0.66	1.27	65	0.31	0.44	0.49	112	0.45	0.65	1.51	80
BI	PPM	2.47	0.85	7.93	65	2.57	0.84	8.79	112	5.57	1.06	13.53	80
CA	%	6.88	1.46	13.54	65	6.11	1.4	10.15	112	3.65	1.04	5.79	80
CD	PPM	0.28	0.21	0.46	65	0.4	0.6	1.02	112	0.39	0.45	0.88	80
CO	PPM	27.36	1.13	110.93	65	35.09	1.53	113.1	112	36.27	0.97	94.66	80
CR	PPM	100.89	0.93	217.34	65	66.22	1.08	112.66	112	86.29	0.45	142.22	80
CUG	PPM	5850.93	2.73	8593.22	65	6512.35	2.84	13633.46	112	9855.29	3.09	16614.71	80
CUA	%	3.89	0.22	5.23	4	2.09	0.4	3.68	11	2.59	0.58	6.69	12
FE	%	5.88	0.51	12.48	65	10.59	1.24	13.79	112	5.92	0.55	10.75	80
K	%	2.55	1.1	4.61	65	8.01	1.17	9.48	112	6.40	1.31	7.65	80
MG	%	2.62	0.89	6.63	65	3.12	1.15	5.72	112	2.08	0.75	3.98	80
MN	PPM	22127.51	2.43	7508.44	65	2344.45	1.02	4105.17	112	1109.96	0.69	1855.41	80
MO	PPM	4.32	1.21	19.3	65	9.45	1.58	42.99	112	9.20	1.82	115.03	80
NA	%	3.16	1.69	5.43	65	0.7	2.01	2.45	112	1.65	1.21	3.88	80
NI	PPM	28.29	0.97	92.85	65	33.15	0.68	76.92	112	34.10	0.55	67.28	80
P	PPM	1280.93	1.49	1222.68	65	1011.18	0.8	1518.12	112	990.34	1.09	1167.14	80
PB	PPM	2.2	0.87	10.08	65	1.82	0.82	6.13	112	2.46	0.97	15.40	80
SR	PPM	44.09	0.82	84.68	65	39.8	0.91	264.13	112	57.50	0.82	146.57	80
TI	%	0.17	1.14	0.26	65	0.15	1.55	0.23	112	0.39	0.97	1.03	80
V	PPM	52.14	0.61	78.72	65	82.87	0.7	311.89	112	107.55	0.78	357.08	80
W	PPM	21.51	1.32	97.64	65	29.6	1.19	99.62	112	47.52	1.41	291.99	80
ZN	PPM	31.08	0.85	71.01	65	47.61	1.18	169.16	112	47.62	0.89	129.73	80
LA	PPM	54.34	1.56	172.79	65	59.08	1.32	151.19	112	44.96	1.27	98.14	80
U	PPM	11.19	1.19	60.72	62	7.85	1.04	33.89	80	14.44	1.40	89.70	80
KNR		6.2	1.71	18.58	65	34.59	1.86	54.05	112	16.18	1.78	38.60	80
CCR		55.37	2.83	159.88	65	58.9	2.88	162.71	112	21.02	2.81	65.25	80
FIR		6.49	1.1	37.34	65	4.21	1.13	10.45	112	2.33	0.73	5.91	80
PIR		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 Limiit Used | No Recovery Weighting Used

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

FILE=93STATDT

	element	ROCK TYPE -> CLEV 14				ROCK TYPE -> QUAR 61				ROCK TYPE -> FAIR 16			
		mean	stand. Dev.	95 %	Samples	mean	stand. Dev.	95 %	Samples	mean	stand. Dev.	95 %	Samples
AU	ppb	3.12	0.39	7.02	14	6.04	0.91	32.35	61	9.14	1.10	59.74	16
AG	PPM	0	0	0.1	14	0.13	0.56	0.21	61	0.16	0.73	0.76	16
AL	%	6.83	0.52	7.95	14	7.32	0.5	8.62	61	16.03	1.74	9.37	16
BA	PPM	1226.58	0.63	1526.82	14	576.77	1.61	1762.77	61	221.12	1.04	797.45	16
BE	PPM	0	0	0.25	14	0.36	0.53	1.03	61	0.29	0.34	0.60	16
BI	PPM	5.96	0.56	11.33	14	4.57	0.99	16.03	61	1.71	0.55	4.06	16
CA	%	2.13	0.46	3.97	14	3.15	1.2	8.13	61	10.51	1.67	8.22	16
CD	PPM	0.48	0.47	1.02	14	0.48	0.62	1.51	61	0.00	0.00	0.25	16
CO	PPM	8.18	0.77	11.84	14	17.78	0.82	48.48	61	7.27	1.38	74.38	16
CR	PPM	78.92	0.11	94.21	14	86.28	0.41	137.05	61	14.12	0.64	26.86	16
CUG	PPM	15.68	1.76	121.73	14	549.96	2.42	3977.13	61	4917.16	2.31	10830.14	16
CUA	%	0	0	0	0	1.64	0.32	2.3	3	1.64	2.69	1.92	1
FE	%	5.96	0.28	10.98	14	4.72	0.63	10.56	61	7.72	0.59	22.28	16
K	%	6.96	0.61	8.2	14	1.84	1.22	3.93	61	6.43	2.87	3.12	16
MG	%	1.64	0.37	2.47	14	2.19	0.68	4.96	61	16.08	2.98	7.41	16
MN	PPM	888.26	0.29	1525.38	14	1206.21	0.81	2878.96	61	2140.26	1.02	5261.91	16
MO	PPM	1.74	0.68	5.6	14	1.38	0.89	5.93	61	0.91	0.54	2.71	16
NA	%	0.34	1.09	1.2	14	3.51	0.98	5.7	61	12.58	2.18	6.55	16
NI	PPM	17.06	0.25	24.83	14	29.24	0.81	69.62	61	57.45	0.78	99.34	16
P	PPM	1015.48	0.39	2385.24	14	876.34	0.86	1350.74	61	533.87	0.63	1111.00	16
PB	PPM	1.18	0.36	2.55	14	2.13	0.98	7.5	61	1.15	0.34	2.39	16
SR	PPM	17.81	0.4	41.74	14	47.9	0.78	158.61	61	133.54	1.07	282.52	16
TI	%	0.18	0.28	0.24	14	0.28	0.64	0.56	61	0.01	0.00	0.00	16
V	PPM	68.84	0.24	116.9	14	92.01	0.78	354.98	61	151.04	1.21	238.43	16
W	PPM	18.57	0.39	37.96	14	17.52	0.97	49.13	61	23.14	0.96	33.18	16
ZN	PPM	16.9	0.24	25.44	14	45.24	1.13	169.37	61	77.23	1.08	440.67	16
LA	PPM	56.05	0.81	261.32	14	37.49	1.25	90.55	61	7.82	1.08	49.12	16
U	PPM	2.5	0	2.5	14	7.48	1.07	43.1	61	0.00	0.00	0.00	0
KNR		42.39	0.84	62.76	14	1.61	1.69	4.94	61	0.63	0.37	1.21	16
CCR		0.38	1.67	1.04	14	1.62	1.87	19.37	61	52.67	2.17	114.38	16
FIR		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
FIR		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 Limiit 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	−0.005	0.201	0.005	1																				
#PRS	1359	1359	1359	1359	1359	1359	1359	1359																				
CO	0.025	0.042	−0.138	−0.082	0.001	0.102	−0.043	0.126	1																			
#PRS	1359	1359	1359	1359	1359	1359	1359	1359	1359																			
CR	0.011	−0.054	0.065	−0.025	0.016	−0.009	−0.181	−0.04	0.086	1																		
#PRS	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359																		
CUG	0.213	0.265	−0.096	−0.172	0.031	0.111	−0.046	−0.008	0.078	−0.089	1																	
#PRS	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359																	
CUA	0.041	0.234	−0.055	−0.03	−0.025	0.296	−0.034	−0.006	0.058	−0.027	0.001	1																
#PRS	144	144	144	144	144	144	144	144	144	144	144	144																
FE	0.063	0.114	−0.236	−0.043	−0.084	0.063	−0.175	0.018	0.188	−0.096	0.143	0.073	1															
#PRS	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	144	1359															
K	−0.039	−0.101	0.401	0.507	−0.065	−0.072	−0.226	−0.042	−0.081	0.05	−0.181	−0.032	−0.047	1														
#PRS	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	144	1359	1359														
MG	−0.049	−0.065	−0.297	−0.101	−0.081	−0.042	0.342	−0.009	−0.026	−0.043	−0.043	−0.051	0.099	−0.112	1													
#PRS	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	144	1359	1359	1359													
MN	−0.057	−0.082	−0.236	0.085	−0.073	−0.037	0.35	0.025	0.089	−0.121	−0.061	−0.033	0.154	0.025	0.219	1												
#PRS	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	144	1359	1359	1359	1359												
MO	0.037	0.094	−0.002	−0.03	−0.003	−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	−0.503	−0.255	−0.185	−0.005	1										
#PRS	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	144	1359	1359	1359	1359	1359	1359										
NI	0.114	0.067	−0.092	−0.048	−0.01	0.374	−0.057	0.819	0.23	−0.036	0.031	0.041	0.108	−0.079	−0.018	0.006	0.002	−0.049	1									
#PRS	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	144	1359	1359	1359	1359	1359	1359	1359									
P	0.017	−0.05	0.004	0.022	0.016	−0.041	0.013	−0.024	0.071	−0.005	−0.025	−0.008	0.126	0.033	−0.144	0.085	0.048	0.036	−0.018	1								
#PRS	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	144	1359	1359	1359	1359	1359	1359	1359	1359								
PB	0.004	0.123	−0.03	−0.041	0.017	0.013	0.07	0.069	0.007	−0.029	0.036	−0.011	−0.004	−0.048	−0.02	0.01	0.014	0.003	0.013	−0.002	1							
#PRS	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	144	1359	1359	1359	1359	1359	1359	1359	1359	1359							
SR	0.003	−0.013	−0.086	0.099	0.024	−0.015	0.163	0.009	−0.034	−0.041	−0.019	−0.015	−0.044	−0.101	−0.028	0.037	0.041	−0.01	−0.004	0.017	0.044	1						
#PRS	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	144	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359						
TI	−0.03	−0.037	0.212	−0.017	−0.025	−0.052	−0.055	−0.028	−0.044	0.383	−0.107	−0.042	0.027	0.023	0.127	−0.108	−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					
V	−0.025	−0.017	0.03	−0.011	−0.043	−0.048	−0.084	−0.016	−0.024	0.066	0.001	−0.052	0.298	−0.064	0.183	−0.032	0.013	−0.054	−0.012	0.114	−0.039	0.001	0.427	1				
#PRS	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	144	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359				
W	0.194	0.127	−0.132	−0.094	−0.027	0.073	−0.045	0.312	0.158	0.055	0.421	0.166	0.208	−0.025	0.016	0.004	0.092	−0.08	0.349	−0.058	0.01	−0.032	0.008	0.007	1			
#PRS	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	144	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359			
ZN	0.029	0.087	−0.129	−0.08	−0.02	0.085	0.11	0.123	0.02	−0.051	0.091	0.211	0.123	−0.105	−0.04	0.026	0.008	−0.057	0.035	0.005	0.202	0.038	−0.018	0.009	0.094	1		
#PRS	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	144	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359		
LA	0.017	−0.026	0.063	0.033	−0.015	−0.022	−0.185	−0.015	0.076	0.01	0.047	0	0.121	0.053	−0.101	−0.066	0.088	0.015	−0.01	0.21	−0.017	−0.008	−0.086	−0.005	0.041	−0.018	1	
#PRS	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	144	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	
U	0.016	0.064	−0.049	−0.035	−0.009	0.006	0.121	0.009	0.005	−0.078	0.135	−0.011	−0.03	−0.022	0.079	0.009	0.183	−0.044	−0.004	−0.02	0.082	0.036	−0.064	−0.016	0.106	0.037	−0.046	1
#PRS	1019	1019	1019	1019	1019	1019	1019	1019	1019	1019	1019	95	1019	1019	1019	1019	1019	1019	1019	1019	1019	1019	1019	1019	1019	1019	1019	1019
	AU	AG	AL	BA	BE	BI	CA	CD	CO	CR	CUG	CUA	FE	K	MG	MN	MO	NA	NI	P	PB	SR	TI	V	W	ZN	LA	U

Produced by GEO – LOGICK SYSTEM and LOTUS123

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

	AU	AG	AL	BA	BE	BI	CA	CD	CO	CR	CUG	CUA	FE	K	MG	MN	MO	NA	NI	P	PB	SR	TI	V	W	ZN	LA	U
AU	1																											
#PRS	1359																											
AG	0.491	1																										
#PRS	1359	1359																										
AL	-0.073	-0.215	1																									
#PRS	1359	1359	1359																									
BA	-0.101	-0.234	0.37	1																								
#PRS	1359	1359	1359	1359																								
BE	0.051	-0.044	0.161	0.028	1																							
#PRS	1359	1359	1359	1359	1359																							
BI	0.027	0.111	-0.061	0.022	-0.023	1																						
#PRS	1359	1359	1359	1359	1359	1359																						
CA	-0.11	-0.203	0.023	0.09	-0.064	0.04	1																					
#PRS	1359	1359	1359	1359	1359	1359	1359																					
CD	-0.026	0.104	-0.037	-0.06	-0.026	0.148	0.088	1																				
#PRS	1359	1359	1359	1359	1359	1359	1359	1359																				
CO	0.305	0.199	0.068	-0.017	0.038	0.114	0.119	0.118	1																			
#PRS	1359	1359	1359	1359	1359	1359	1359	1359	1359																			
CR	-0.056	-0.04	0.261	0.202	0.106	0.017	0.149	0.143	0.556	1																		
#PRS	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359																		
CUG	0.634	0.437	-0.068	-0.185	0.066	0	-0.109	-0.067	0.217	-0.164	1																	
#PRS	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359																	
CUA	0.064	0.131	-0.096	-0.028	-0.044	0.154	-0.116	-0.021	0.015	-0.014	0	1																
#PRS	144	144	144	144	144	144	144	144	144	144	144	144																
FE	0.084	0.042	0.06	0.073	-0.17	-0.029	0.017	0.003	0.146	0.041	0.063	-0.016	1															
#PRS	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	144	1359															
K	-0.065	-0.167	0.462	0.736	0.038	0.037	0.162	0.018	0.18	0.422	-0.166	-0.077	0.09	1														
#PRS	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	144	1359	1359														
MG	-0.061	-0.101	0.082	0.165	-0.136	0.001	0.318	0.081	0.359	0.416	-0.101	-0.081	0.22	0.377	1													
#PRS	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	144	1359	1359	1359													
MN	-0.135	-0.175	0.05	0.186	-0.171	0.048	0.44	-0.028	-0.026	-0.017	-0.056	-0.015	0.257	0.136	0.173	1												
#PRS	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	144	1359	1359	1359	1359												
MO	0.493	0.321	-0.035	0.026	0.002	-0.015	-0.165	-0.136	0.2	-0.039	0.371	-0.009	0.135	0.016	-0.029	-0.067	1											
#PRS	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	144	1359	1359	1359	1359	1359											
NA	-0.039	-0.113	0.408	-0.075	0.22	-0.056	0.231	0.006	0.202	0.366	-0.04	-0.068	-0.115	-0.056	-0.003	0.007	-0.171	1										
#PRS	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	144	1359	1359	1359	1359	1359	1359										
NI	0.295	0.237	0.061	-0.003	-0.015	0.08	-0.211	0.056	0.441	0.049	0.239	0.022	0.226	0.025	0.138	-0.127	0.219	-0.076	1									
#PRS	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	144	1359	1359	1359	1359	1359	1359	1359									
P	-0.092	-0.228	0.366	0.285	0.057	0.096	0.181	-0.03	-0.011	0.072	-0.127	-0.023	0.027	0.213	-0.005	0.18	0.068	0.164	0.025	1								
#PRS	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	144	1359	1359	1359	1359	1359	1359	1359	1359								
PB	0.127	0.388	-0.146	-0.118	0.04	0.072	-0.06	0.268	0.107	0.013	0.168	0.049	-0.057	-0.1	-0.059	-0.093	0.102	-0.044	0.123	-0.143	1							
#PRS	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	144	1359	1359	1359	1359	1359	1359	1359	1359	1359							
SR	0	-0.119	0.141	0.263	0.243	0.045	0.29	0.032	-0.01	-0.042	0.04	-0.015	-0.078	0.047	-0.062	0.15	-0.063	0.295	-0.014	0.158	0.141	1						
#PRS	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	144	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359						
TI	-0.124	-0.151	0.319	0.289	0.078	0.007	0.276	0.164	0.523	0.835	-0.204	-0.047	0.125	0.459	0.475	0.102	-0.113	0.428	0.008	0.17	-0.032	0.103	1					
#PRS	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	144	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359					
V	-0.064	-0.21	0.361	0.239	-0.069	-0.153	0.126	0.026	0.069	0.072	0.001	-0.049	0.326	0.255	0.296	0.154	0.066	0.07	0.217	0.283	-0.136	0.098	0.279	1				
#PRS	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	144	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359				
W	0.344	0.34	0.006	0.008	-0.204	0.037	0.122	0.196	0.45	0.265	0.209	0.083	0.208	0.163	0.27	0.046	0.187	-0.004	0.199	-0.115	0.076	-0.107	0.253	0.071	1			
#PRS	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	144	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359			
ZN	0.196	0.287	-0.115	-0.094	-0.053	0.001	0.04	0.248	0.345	0.207	0.233	0.054	0.197	-0.019	0.283	0.038	0.134	-0.02	0.322	-0.129	0.322	0.081	0.239	0.073	0.302	1		
#PRS	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	144	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359		
LA	0.135	-0.026	0.214	0.3	0.049	-0.004	-0.29	-0.08	0.104	0.153	-0.018	-0.009	0.071	0.277	0.006	-0.108	0.24	-0.069	0.098	0.208	-0.067	-0.188	0.091	0.094	0.117	-0.027	1	
#PRS	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	144	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	
U	0.119	0.185	-0.128	-0.069	-0.065	0.033	0.124	0.024	0.078	-0.104	0.117	0.012	-0.04	-0.093	0.055	0.007	0.092	-0.074	-0.002	-0.058	0.233	0.034	-0.064	-0.031	0.149	0.107	-0.263	1
#PRS	1019	1019	1019	1019	1019	1019	1019	1019	1019	1019	1019	95	1019	1019	1019	1019	1019	1019	1019	1019	1019	1019	1019	1019	1019	1019	1019	1019
	AU	AG	AL	BA	BE	BI	CA	CD	CO	CR	CUG	CUA	FE	K	MG	MN	MO	NA	NI	P	PB	SR	TI	V	W	ZN	LA	U

Produced by GEO – LOGICK SYSTEM and LOTUS123

FAIRCHILD LAKE GEOCHEMISTRY ---- NORMAL CORRELATION MATRIX ROCK TYPE ---> JAZZ
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	112																											
AG	0.715	1																										
#PRS	112	112																										
AL	−0.324	−0.265	1																									
#PRS	112	112	112																									
BA	−0.247	−0.244	0.391	1																								
#PRS	112	112	112	112																								
BE	0.117	0.12	0.121	−0.115	1																							
#PRS	112	112	112	112	112																							
BI	0.089	0.393	−0.049	−0.013	0.026	1																						
#PRS	112	112	112	112	112	112																						
CA	0.252	0.095	−0.518	−0.143	−0.062	0.212	1																					
#PRS	112	112	112	112	112	112	112																					
CD	−0.018	0.413	0.01	0.004	0.009	0.795	0.056	1																				
#PRS	112	112	112	112	112	112	112	112																				
CO	0.104	0.014	0.028	−0.041	−0.035	0.015	0.105	−0.041	1																			
#PRS	112	112	112	112	112	112	112	112	112																			
CR	−0.133	−0.182	0.041	0.159	0.086	−0.058	−0.143	−0.101	0.123	1																		
#PRS	112	112	112	112	112	112	112	112	112	112																		
CUG	0.594	0.724	−0.233	−0.31	0.185	0.198	0.127	0.251	0.063	−0.22	1																	
#PRS	112	112	112	112	112	112	112	112	112	112	112																	
CUA	0.35	0.449	0.002	−0.009	0.062	−0.207	−0.136	−0.29	0.028	0.061	0	1																
#PRS	11	11	11	11	11	11	11	11	11	11	11	11																
FE	0.186	0.168	−0.127	−0.134	−0.102	−0.009	−0.179	−0.039	−0.043	−0.235	0.329	−0.049	1															
#PRS	112	112	112	112	112	112	112	112	112	112	112	11	112															
K	−0.346	−0.275	0.665	0.463	−0.13	0.036	−0.299	0.029	0.015	0.033	−0.393	−0.001	−0.22	1														
#PRS	112	112	112	112	112	112	112	112	112	112	112	11	112	112														
MG	0.113	0.106	−0.519	−0.303	−0.014	−0.079	0.398	−0.002	−0.032	−0.299	0.222	−0.083	0.155	−0.469	1													
#PRS	112	112	112	112	112	112	112	112	112	112	112	11	112	112	112													
MN	0.001	0.049	−0.181	−0.075	−0.135	0.251	0.434	0.179	0.045	−0.164	0.069	−0.101	−0.024	0.17	0.085	1												
#PRS	112	112	112	112	112	112	112	112	112	112	112	11	112	112	112	112												
MO	0.534	0.509	−0.321	−0.157	−0.014	0.059	0.12	−0.006	−0.042	−0.198	0.387	0.148	0.479	−0.301	0.064	−0.047	1											
#PRS	112	112	112	112	112	112	112	112	112	112	112	11	112	112	112	112	112											
NA	−0.095	−0.129	0.189	0.166	0.154	−0.032	0.037	−0.053	−0.011	0.329	−0.101	−0.029	−0.299	−0.268	−0.163	−0.243	−0.121	1										
#PRS	112	112	112	112	112	112	112	112	112	112	112	11	112	112	112	112	112	112										
NI	0.286	0.251	−0.087	−0.188	−0.053	−0.08	−0.049	−0.085	0.442	−0.026	0.347	0.029	0.437	−0.305	0.133	−0.07	0.358	−0.08	1									
#PRS	112	112	112	112	112	112	112	112	112	112	112	11	112	112	112	112	112	112	112									
P	0.014	0.077	0.274	0.253	−0.051	0.139	−0.199	0.11	−0.026	0.092	−0.044	0.05	0.149	0.366	−0.265	−0.01	0.198	−0.026	0.057	1								
#PRS	112	112	112	112	112	112	112	112	112	112	112	11	112	112	112	112	112	112	112	112								
PB	−0.026	0.392	0.024	0.029	−0.019	0.739	0.058	0.989	−0.032	−0.109	0.227	−0.277	−0.06	0.042	0.001	0.167	0.001	−0.056	−0.067	0.123	1							
#PRS	112	112	112	112	112	112	112	112	112	112	112	11	112	112	112	112	112	112	112	112	112							
SR	0.084	−0.026	−0.113	0.322	−0.056	0.056	0.154	−0.015	−0.028	−0.03	0.031	−0.127	0.029	−0.065	−0.102	−0.136	0.055	0.137	−0.084	0.036	−0.018	1						
#PRS	112	112	112	112	112	112	112	112	112	112	112	11	112	112	112	112	112	112	112	112	112	112						
TI	−0.054	−0.161	0.202	0.116	0.013	−0.063	−0.111	−0.057	0.235	0.379	−0.092	0.015	0.187	−0.036	−0.09	−0.128	−0.171	0.19	0.158	−0.01	−0.079	−0.068	1					
#PRS	112	112	112	112	112	112	112	112	112	112	112	11	112	112	112	112	112	112	112	112	112	112	112					
V	0.286	0.283	−0.103	−0.141	−0.042	−0.111	−0.179	−0.015	0.007	−0.172	0.363	0.124	0.668	−0.358	0.151	−0.241	0.441	−0.137	0.526	0.039	−0.005	−0.053	0.309	1				
#PRS	112	112	112	112	112	112	112	112	112	112	112	11	112	112	112	112	112	112	112	112	112	112	112	112				
W	0.555	0.509	−0.308	−0.208	0.006	0.088	0.088	−0.004	0.167	0.154	0.464	0.458	0.094	−0.234	0.026	0.078	0.086	−0.111	0.186	0.021	−0.054	−0.012	0.212	0.241	1			
#PRS	112	112	112	112	112	112	112	112	112	112	112	11	112	112	112	112	112	112	112	112	112	112	112	112	112			
ZN	0.112	0.557	−0.041	−0.061	0.009	0.735	0.032	0.961	−0.023	−0.171	0.423	−0.198	0.057	−0.078	0.081	0.132	0.109	−0.08	0.033	0.092	0.955	−0.031	−0.084	0.139	0.091	1		
#PRS	112	112	112	112	112	112	112	112	112	112	112	11	112	112	112	112	112	112	112	112	112	112	112	112	112	112		
LA	−0.092	−0.105	0.251	0.185	−0.048	−0.01	−0.209	−0.007	0.039	0.067	−0.158	0.014	−0.001	0.349	−0.206	−0.07	−0.084	0.001	−0.122	0.565	−0.004	−0.058	0.113	−0.073	0	−0.049	1	
#PRS	112	112	112	112	112	112	112	112	112	112	112	11	112	112	112	112	112	112	112	112	112	112	112	112	112	112	112	
U	0.424	0.268	−0.249	−0.216	0.024	0.126	0.73	0.006	0.102	−0.384	0.289	−0.05	−0.023	−0.297	0.282	0.182	0.222	−0.071	0.034	−0.196	−0.002	0.14	−0.14	−0.004	0.298	0.037	−0.222	1
#PRS	80	80	80	80	80	80	80	80	80	80	80	5	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80
	AU	AG	AL	BA	BE	BI	CA	CD	CO	CR	CUG	CUA	FE	K	MG	MN	MO	NA	NI	P	PB	SR	TI	V	W	ZN	LA	U

Produced by GEO – LOGICK SYSTEM and LOTUS123

FAIRCHILD LAKE GEOCHEMISTRY ---- LOG TRANSFORMED CORRELATION MATRIX ROCK TYPE ---> JAZZ
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	112																											
AG	0.623	1																										
#PRS	112	112																										
AL	−0.111	−0.254	1																									
#PRS	112	112	112																									
BA	−0.122	−0.274	0.73	1																								
#PRS	112	112	112	112																								
BE	0.081	0.156	0.098	−0.09	1																							
#PRS	112	112	112	112	112																							
BI	0.042	0.165	0.018	0.11	0.004	1																						
#PRS	112	112	112	112	112	112																						
CA	−0.081	−0.065	−0.154	0.084	−0.092	0.232	1																					
#PRS	112	112	112	112	112	112	112																					
CD	0.043	0.269	−0.116	−0.089	0.082	0.586	0.103	1																				
#PRS	112	112	112	112	112	112	112	112																				
CO	0.361	0.27	−0.047	−0.024	0.022	0.074	0.113	0.063	1																			
#PRS	112	112	112	112	112	112	112	112	112																			
CR	−0.045	−0.155	0.149	0.255	0.076	0.072	0.128	0.084	0.628	1																		
#PRS	112	112	112	112	112	112	112	112	112	112																		
CUG	0.675	0.647	−0.166	−0.191	0.054	0.025	−0.051	0.129	0.214	−0.238	1																	
#PRS	112	112	112	112	112	112	112	112	112	112	112																	
CUA	0.052	0.114	0.041	0.013	0.04	−0.093	−0.12	−0.131	0.041	0.018	0	1																
#PRS	11	11	11	11	11	11	11	11	11	11	11	11																
FE	0.107	−0.006	0.215	0.264	−0.052	0.098	0.206	−0.008	0.062	−0.041	0.103	−0.161	1															
#PRS	112	112	112	112	112	112	112	112	112	112	112	11	112															
K	−0.121	−0.298	0.736	0.732	−0.025	0.122	0.186	−0.024	0.016	0.256	−0.189	0.029	0.093	1														
#PRS	112	112	112	112	112	112	112	112	112	112	112	11	112	112														
MG	0.166	0.218	−0.232	−0.219	−0.001	0.048	0.497	0.094	0.186	−0.071	0.246	−0.06	0.278	−0.234	1													
#PRS	112	112	112	112	112	112	112	112	112	112	112	11	112	112	112													
MN	0.044	0.061	0.246	0.299	−0.146	0.217	0.444	−0.011	0.06	0.077	−0.029	−0.015	0.56	0.35	0.096	1												
#PRS	112	112	112	112	112	112	112	112	112	112	112	11	112	112	112	112												
MO	0.555	0.545	−0.081	−0.024	−0.049	0.121	−0.148	−0.059	−0.027	−0.243	0.578	0.196	0.168	−0.139	0.065	0.076	1											
#PRS	112	112	112	112	112	112	112	112	112	112	112	11	112	112	112	112	112											
NA	−0.102	−0.124	0.243	0.243	0.115	0.069	−0.015	0.07	0.555	0.828	−0.268	0.003	−0.163	0.194	−0.107	−0.044	−0.325	1										
#PRS	112	112	112	112	112	112	112	112	112	112	112	11	112	112	112	112	112	112										
NI	0.477	0.32	0.045	−0.037	−0.049	−0.099	−0.111	−0.11	0.414	0.029	0.46	0.008	0.238	−0.107	0.219	0.011	0.357	−0.061	1									
#PRS	112	112	112	112	112	112	112	112	112	112	112	11	112	112	112	112	112	112	112									
P	0.048	−0.108	0.64	0.665	−0.054	0.183	−0.034	−0.028	0.01	0.172	−0.05	0.044	0.238	0.461	−0.105	0.234	0.271	0.15	0.055	1								
#PRS	112	112	112	112	112	112	112	112	112	112	112	11	112	112	112	112	112	112	112	112								
PB	0.032	0.229	0.031	0.093	−0.076	0.332	0.072	0.562	0.044	0.014	0.185	−0.193	0.019	0.103	0.025	0.098	0.034	−0.057	−0.041	0.083	1							
#PRS	112	112	112	112	112	112	112	112	112	112	112	11	112	112	112	112	112	112	112	112	112							
SR	0.012	−0.009	0.062	0.393	−0.128	0.167	0.283	0.041	−0.012	−0.001	0.089	−0.04	0.123	0.194	0.001	0.127	0.061	0.117	−0.081	0.126	0.147	1						
#PRS	112	112	112	112	112	112	112	112	112	112	112	11	112	112	112	112	112	112	112	112	112	112						
TI	−0.082	−0.18	0.286	0.313	0.073	0.076	0.154	0.12	0.633	0.9	−0.295	0.034	0.077	0.282	0.01	0.133	−0.358	0.828	0.015	0.232	−0.022	−0.017	1					
#PRS	112	112	112	112	112	112	112	112	112	112	112	11	112	112	112	112	112	112	112	112	112	112	112					
V	0.365	0.292	0.251	0.09	−0.047	−0.138	−0.15	−0.052	0.039	−0.225	0.495	0.024	0.295	−0.111	0.214	0.111	0.294	−0.21	0.538	0.242	0.06	−0.01	−0.074	1				
#PRS	112	112	112	112	112	112	112	112	112	112	112	11	112	112	112	112	112	112	112	112	112	112	112	112				
W	0.37	0.39	−0.141	−0.038	0.015	0.095	0.223	0.234	0.667	0.463	0.286	0.088	−0.013	0.064	0.267	0.064	0.06	0.368	0.233	−0.011	−0.019	0.023	0.52	0.127	1			
#PRS	112	112	112	112	112	112	112	112	112	112	112	11	112	112	112	112	112	112	112	112	112	112	112	112	112			
ZN	0.244	0.559	−0.179	−0.31	0.068	0.007	−0.052	0.402	0.275	−0.036	0.421	0.015	0.034	−0.322	0.238	−0.011	0.165	0.023	0.306	−0.114	0.311	−0.174	0.027	0.267	0.319	1		
#PRS	112	112	112	112	112	112	112	112	112	112	112	11	112	112	112	112	112	112	112	112	112	112	112	112	112	112		
LA	−0.031	−0.205	0.433	0.413	0.032	0.035	−0.256	0.109	0.012	0.277	−0.2	0.042	0.049	0.425	−0.308	−0.016	0.013	0.165	−0.099	0.431	0.046	−0.085	0.271	−0.045	0.074	−0.22	1	
#PRS	112	112	112	112	112	112	112	112	112	112	112	11	112	112	112	112	112	112	112	112	112	112	112	112	112	112	112	
U	0.145	0.305	−0.242	−0.093	0.009	0.135	0.279	0.058	0.155	−0.161	0.199	−0.014	−0.172	−0.303	0.2	0	0.073	−0.052	0.01	−0.087	−0.015	0.079	−0.095	−0.009	0.189	0.098	−0.445	1
#PRS	80	80	80	80	80	80	80	80	80	80	80	5	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80
	AU	AG	AL	BA	BE	BI	CA	CD	CO	CR	CUG	CUA	FE	K	MG	MN	MO	NA	NI	P	PB	SR	TI	V	W	ZN	LA	U

Produced by GEO – LOGICK SYSTEM and LOTUS123

APPENDIX G

GEOLOGIST'S CERTIFICATE

GEOLOGIST'S CERTIFICATE

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

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

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

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

4. THAT this report is based in part on property work I personally completed and/or directly supervised on June 27, 1993, government publications and assessment reports filed with the Yukon.

DATED at Vancouver, British Columbia, this 1st day of February, 1994.

PROFESSIONAL ENGINEER PROVINCE OF BRITISH COLUMBIA M. E. BAKNES GEOSCIENTIST

Mark E. Baknes, P.Geo.

needs approval

copy

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

NAME(S): Jazz
MINFILE #: 106D 077
MAJOR COMMODITIES: U
MINOR COMMODITIES: -
TECTONIC ELEMENT: Mackenzie Platform

NTS MAP SHEET: 106 D 9
LATITUDE: 64°38'17"N
LONGITUDE: 134°02'42"W
DEPOSIT TYPE: Wernecke Breccia
STATUS: Showing

CLAIMS (PREVIOUS AND CURRENT)

JAZ, JAZZ

WORK HISTORY

Staked as the Jaz cl (YA7060) in Sep/76 by the Prism Synd (Prism Res L, Canex Placer, Granby Mg & Chieftain Dev CL) which explored with mapping and radiometric surveys in 1977.

Restaked in Jul and Aug/92 as Jazz 1-38 cl (YB28586) by Pamicon Developments Ltd, who became equal owners of the claims with Equity Engineering Ltd. and performed limited sampling, prospecting and mapping later in the year. Westmin conducted a program of geological mapping, prospecting and lithogeochemical sampling in Jun/93.

GEOLOGY

The claims cover the contact of a large northwesterly trending hematite breccia complex cutting Middle Proterozoic Gillespie Lake Group orange dolomite. Disseminated brannerite is found in the breccia. The breccia body is at least 3.5 km in length and with a width of greater than 700 m. It displays both homolithic and heterolithic phases. The breccias on this property are distinguished from others in the area by a strong muscovite alteration in the matrix.

The copper mineralization, consisting chiefly of chalcopyrite, malachite and azurite, tends to be best developed in areas of hematite breccia and gabbroic dykes. Westmin reports maximum values from all samples as 480 ppb Au, 100 ppm Ag, 740 ppm Bi, 754 ppm Co, 6.64% Cu. As in other breccia bodies in the area copper values tend to be higher in the heterolithic rather that the homolithic breccias.

REFERENCES

BLUSSON, S.L., 19 Jan/77. Proterozoic Stratigraphy of Northern Yukon. Talk presented to the Mineral Exploration Group, Vancouver.

WESTMIN RESOURCES LTD., Dec/92. Assessment Report #093120 by D.A. Caulfield.

WESTMIN RESOURCES LTD., Jan/94. Assessment Report #093171 by M.E. Baknes.

needs approval

Copy 2

YUKON MINFILE
STANDARD REPORT
EXPLORATION AND GEOLOGICAL SERVICES DIVISION, DIAND
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NAME(S): Jazz
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MAJOR COMMODITIES: U
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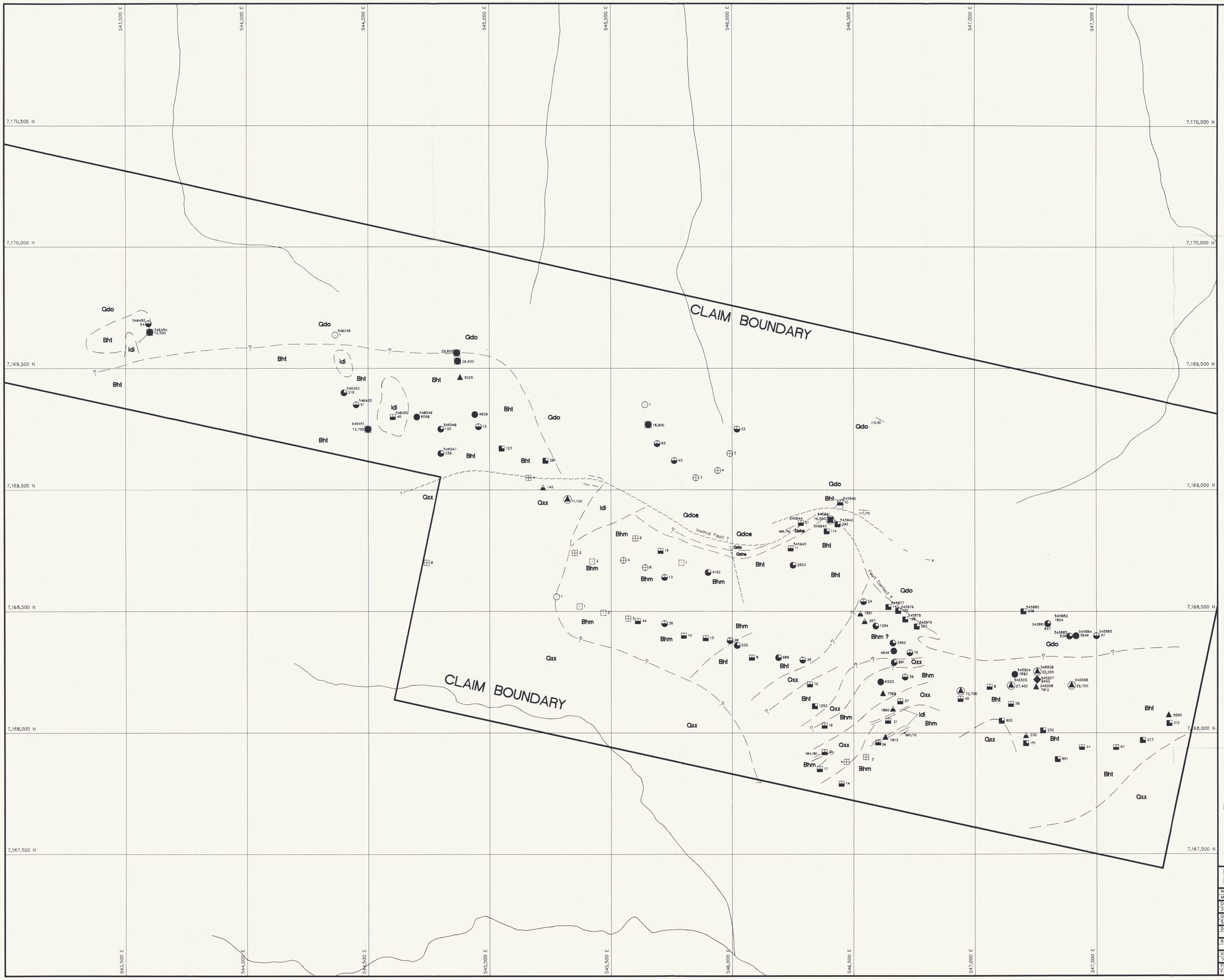
WESTMIN RESOURCES LTD., Dec/92. Assessment Report #093120 by D.A. Caulfield.

WESTMIN RESOURCES LTD., Jan/94. Assessment Report #093171 by M.E. Baknes.



UTM GRID NORTH

UTM Grid North is 0° 54' East of True North

LEGEND

LITHOLOGIES

PROTEROZOIC

I *Igneous Rocks*
- Idi diorite

B *Wernecke Breccia:*
- Bht Heterolithic breccia:
  - Bht hydrothermal matrix comprised of alteration minerals: K-feldspar, plagioclase, carbonate, quartz, pyroxene, chlorite, sericite and specular hematite
- Bhm Homolithic breccia: ranges from well brecciated to crackle brecciated to non-brecciated wall rocks

WERNECKE SUPERGROUP

G *Gillespie Lake Group:* Buff-, orange-, grey-, and locally maroon-weathering dolomite, dolomite terrigenous admixtures, limestone, claystone, mudstone, siltstone and fine sandstone.
- Gcha dark grey cherty argillite
- Gdo dolomite
- Gdos dolomite interbedded with dark siltstone, shale, sandstone, "striped transitional unit"
- Gxx undifferentiated

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

MINERALIZATION

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

SYMBOLS

- Geological Contact (approximate)
- Fault (assumed)
- 064/80 Bedding/Foliation
- 060/70 Dyke or Vein

SAMPLE TYPE LEGEND

- △ --- GRAB
- ◇ --- CHANNEL
- ⊡ --- LITHO
- ⊙ --- FLOAT

Cu values in PPM

⊡	<1 –	2
⊞	2 –	6
▪	6 –	92
◪	92 –	4446
■	4446 –	10996
◙	10996	>>>>>>>

093171

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.

Westmin Resources Limited

Work By	M.B./M.J./M.S.
Date Drafted	31/12/93
Drafted By	S. M. DYKES
Date Revised	
Revised By	
N.T.S. Number	106 O/9
File Name	FARJAZZP

FAIRCHILD PROJECT

JAZZ PROPERTY

ROCK SAMPLE GEOCHEMISTRY

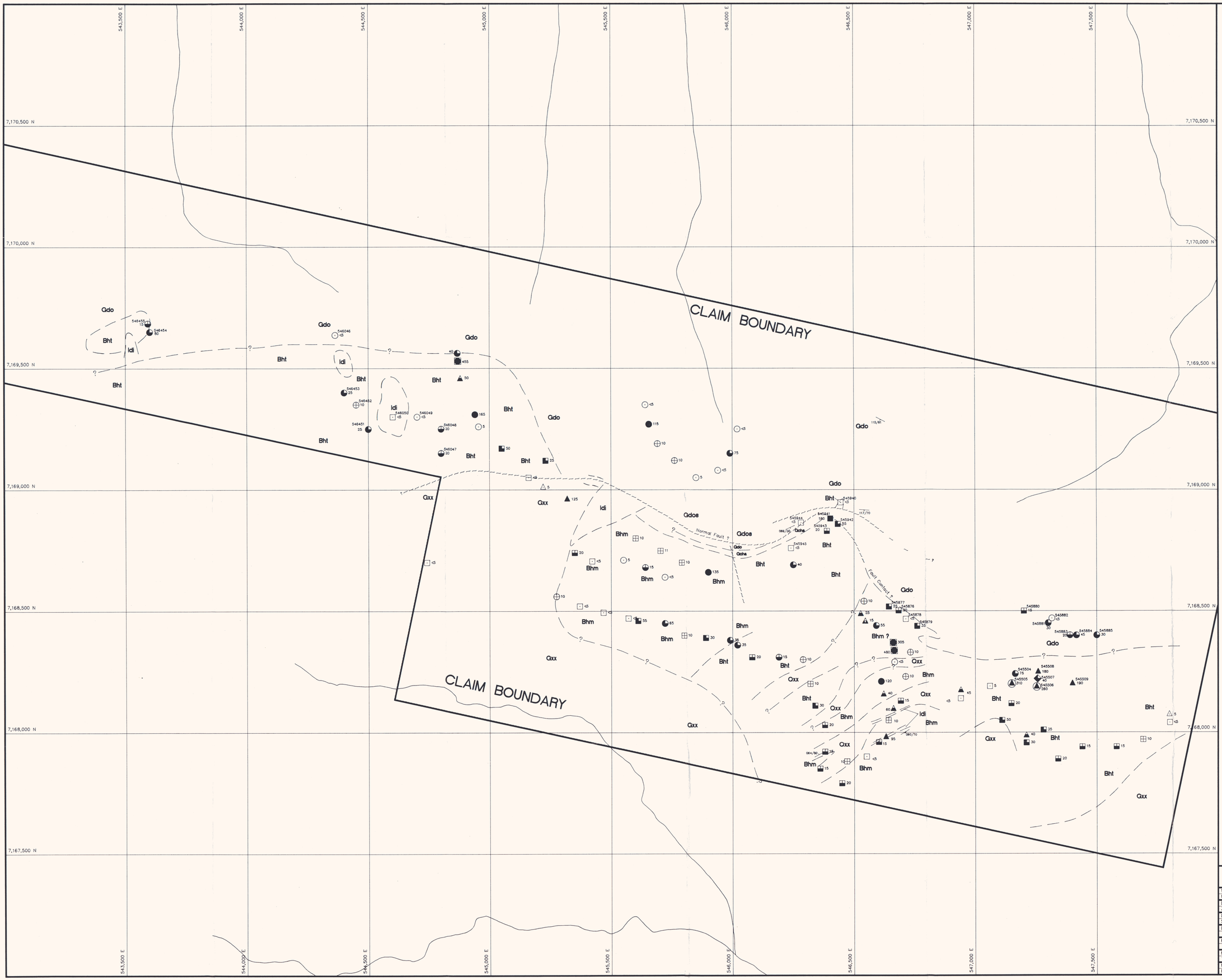
DWG 511

— PAMICON DEVELOPMENTS LTD —
— EQUITY ENGINEERING LTD —

100 0 100 200 300m

SCALE 1 : 5000

Figure 4



UTM GRID NORTH

UTM Grid North is 0° 54' East of True North

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

MINERALIZATION

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

SYMBOLS

- Geological Contact (approximate)
- Fault (assumed)
- 064/80 Bedding/Foliation
- 060/70 Dyke or Vein

SAMPLE TYPE LEGEND

- △ --- GRAB
- ◇ --- CHANNEL
- ⊡ --- LITHO
- ⊙ --- FLOAT

Au values in PPB

⊡	<5 –	6
⊞	6 –	10
◪	10 –	24
◩	24 –	84
■	84 –	242
◙	242 >>>>>>>	

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

093171

Westmin Resources Limited

Work By	M.B./M.J./M.S.
Date Drafted	31/12/93
Drafted By	S. M. DYKES
Date Revised	
Revised By	
N.T.S. Number	106 D/9
File Name	FARJAZZP

FAIRCHILD PROJECT
JAZZ PROPERTY
ROCK SAMPLE GEOCHEMISTRY

D.W.G. 512

— PAMICON DEVELOPMENTS LTD —
— EQUITY ENGINEERING LTD —

100 0 100 200 300m
SCALE 1 : 5000

Figure 5