OFFICE OF THE
MAR 0 1 1994
WHITEHORSE
YUKON TERRITORY

1993 SUMMARY REPORT ON THE SLAB 1-208 CLAIMS

093181

Located in the Wernecke Mountains
Mayo Mining District
NTS 106C/13, D/16, E/1, F/4
65° 00′ North Latitude
134° 00′ West Longitude

-prepared for-
WESTMIN RESOURCES LIMITED

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

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

1993 SUMMARY REPORT ON THE SLAB 1-208 CLAIMS

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1.0 INTRODUCTION

The Slab mineral claims are located in the Bonnet Plume River valley, approximately 185 kilometres north-northeast of Mayo in east central Yukon (Figure 1). The property, which is located in the Wernecke Mountains, is characterized by a spectacular malachite and azurite stained, steep wedge-shaped topographical feature called Slab Mountain. Geologically, the claim group is underlain by a weakly metamorphosed, faulted and folded sequence of Proterozoic sedimentary and volcanic strata that has been intruded by hematite breccias and cut by mafic sills and dykes.

Slab Mountain was the focus of sporadic copper exploration in the late 1960s to the mid 1970s by both major and junior mining companies. Exploration in the late 1970s shifted to numerous uranium showings and concluded in 1980 with Pan Ocean Oil evaluating the cobalt potential of the Eagle occurrence.

The geological setting of the Wernecke Mountains is considered excellent for hosting Olympic Dam copper-uranium-gold-silver breccia type deposits and it was on this basis that the original Slab 1-34 claims were acquired by staking in July 1992. The property has been expanded in stages that include the Slab 35-84 in August 1992, the Slab 85-208 in October 1992, the Slab 209-212 in July 1993 and the Slab 213-222 in August 1993.

The work program was completed in 1992 that included lithogeochemical sampling, limited chip and soil sampling, prospecting and geological mapping. Significant copper-gold-cobalt mineralization was confirmed at Slab Mountain and Eagle, while several other new copper showings were discovered. On the basis of these favourable results, a follow-up program in 1993 was undertaken consisting of orthophoto production, grid establishment, geological mapping, soil geochemistry, geophysical surveys, re-sampling Pan Ocean's 1980 drill hole E-80-3 and prospecting.

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

2.0 LIST OF CLAIMS

During the 1993 program, the Slab property comprised 208 contiguous quartz mineral claims located in the Mayo Mining District (Figure 2). Government records indicate that the claims are owned 50% each by Pamicon Developments Ltd. and Equity Engineering Ltd. of Vancouver, B.C. Separate documents indicate that the claims are held under option by Westmin Resources Limited of Vancouver, B.C.

Following the 1993 work program, an additional 14 claims (Slab 209-222) were staked, on behalf of the joint venture, to cover favourable ground. These claims are presently registered under the staker's name, M. Stammers of North Vancouver, B.C. The following table lists the claims by name, number, record date, expiry date and map sheet designation.

TABLE 2.0.1
CLAIM DATA

Claim Name	Record Numbers	Record Date	Expiry Date	NTS
Slab 1 - 7	YB28600-606	07/06/92	12/31/01*	106D16
8 - 9	YB28607-607	07/06/92	12/31/00*	106D16
10	YB28609	07/06/92	12/31/99*	106D16
11 - 13	YB28610-612	07/06/92	12/31/01*	106D16
14	YB28613	07/06/92	12/31/00*	106D16
15	YB28614	07/06/92	12/31/01*	106C13
16	YB28615	07/06/92	12/31/00*	106C13
17	YB28616	07/06/92	12/31/01*	106C13
18 - 21	YB28617-620	07/06/92	12/31/00*	106C13
22	YB28621	07/06/92	12/31/99*	106C13
23 - 24	YB28622-623	07/06/92	12/31/01*	106E1
25 - 34	YB28624-633	07/06/92	12/31/00*	106C13
35 - 39	YB28729-733	08/24/92	12/31/00*	106C13
40 - 42	YB28734-736	08/24/92	12/31/99*	106C13
43	YB28737	08/24/92	12/31/00*	106C13
44	YB28738	08/24/92	12/31/99*	106C13
45	YB28739	08/24/92	12/31/00*	106C13
46	YB28740	08/24/92	12/31/99*	106C13
47 - 50	YB28741-744	08/24/92	12/31/98*	106C13
51 - 65	YB28745-759	08/24/92	12/31/01*	106E1
66 - 71	YB28760-765	08/24/92	12/31/00*	106F4
72	YB28766	08/24/92	12/31/99*	106F4
73	YB28767	08/24/92	12/31/00*	106F4
74	YB28768	08/24/92	12/31/99*	106F4
75	YB28769	08/24/92	12/31/00*	106F4
76	YB28770	08/24/92	12/31/99*	106F4
77	YB28771	08/24/92	12/31/00*	106F4
78	YB28772	08/24/92	12/31/99*	106C13
79	YB28773	08/24/92	12/31/00*	106C13
80 - 83	YB28774-777	08/24/92	12/31/99*	106C13
84	YB28778	08/24/92	12/31/00*	106C13
85 - 113	YB29006-034	10/19/92	12/31/97*	106C13
114 - 116	YB29035-037	10/19/92	12/31/96*	106C13
117 - 122	YB29038-043	10/19/92	12/31/97*	106C13
123 - 128	YB29044-049	10/19/92	12/31/96*	106C13
129 - 130	YB29050-051	10/19/92	12/31/97*	106C13
131 - 138	YB29052-059	10/19/92	12/31/96*	106C13
139 - 144	YB29060-065	10/19/92	12/31/97*	106C13
145 - 150	YB29066-071	10/19/92	12/31/96*	106C13
151 - 198	YB29072-119	10/19/92	12/31/95*	106E1

WESTMIN RESOURCES LIMITED

FAIRCHILD PROJECT

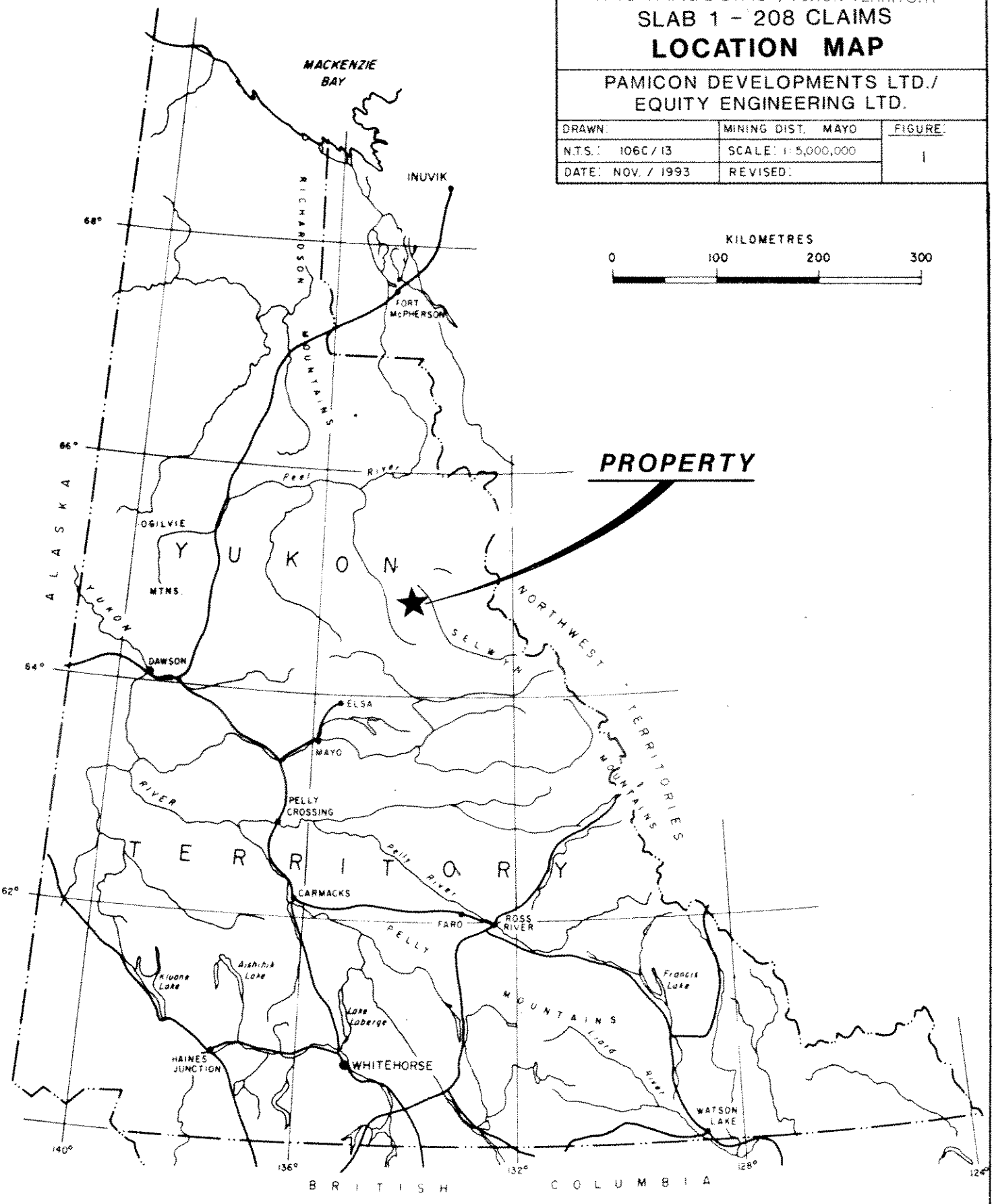
MAYO MINING DISTRICT, YUKON TERRITORY

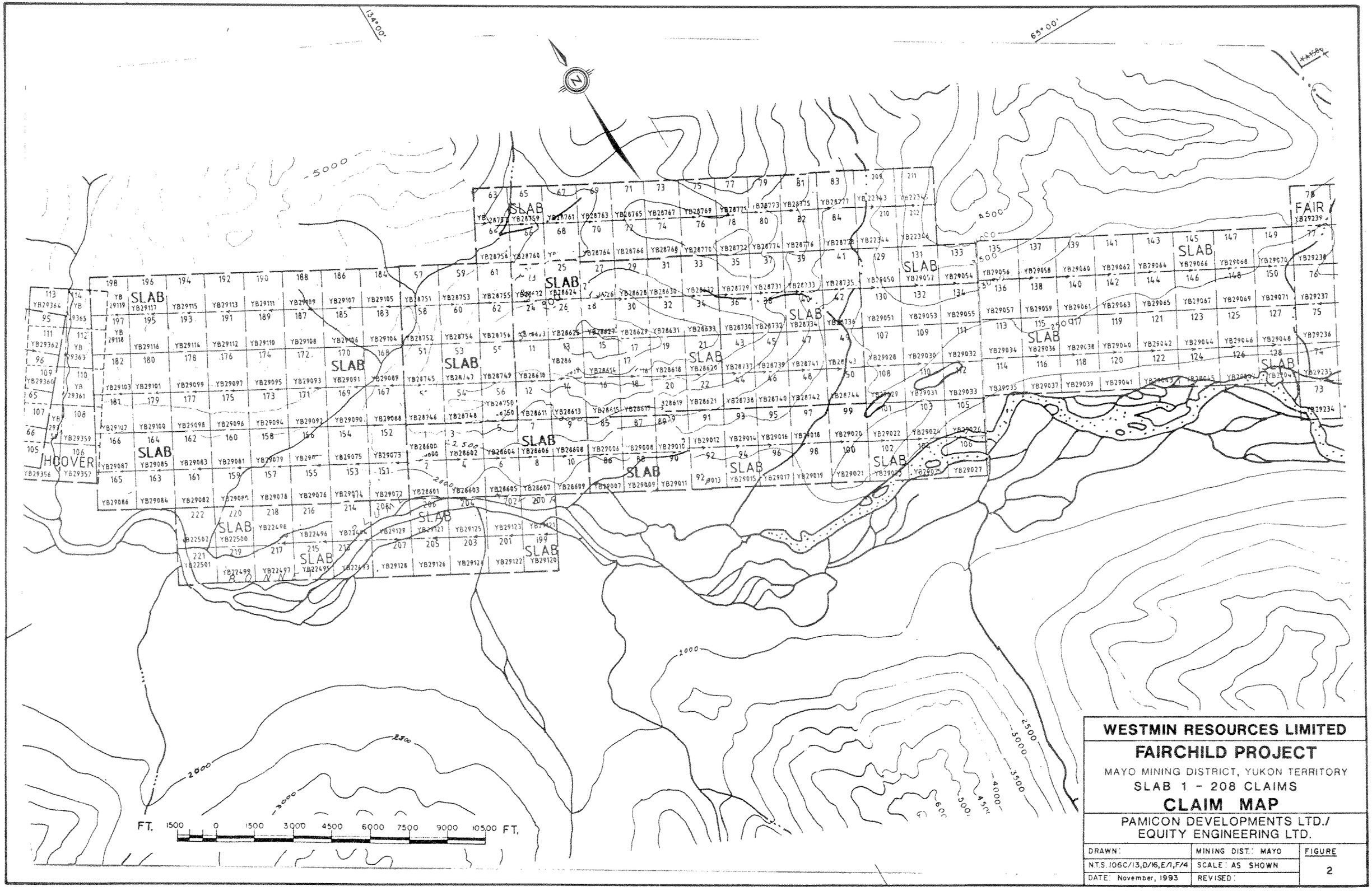
SLAB 1 - 208 CLAIMS

LOCATION MAP

PAMICON DEVELOPMENTS LTD./
EQUITY ENGINEERING LTD.

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





WESTMIN RESOURCES LIMITED

FAIRCHILD PROJECT

MAYO MINING DISTRICT, YUKON TERRITORY

SLAB 1 - 208 CLAIMS

CLAIM MAP

PAMICON DEVELOPMENTS LTD./
EQUITY ENGINEERING LTD.

DRAWN:	MINING DIST.: MAYO	FIGURE
N.T.S. 106C/13,D/16,E/1,F/4	SCALE: AS SHOWN	2
DATE: November, 1993	REVISED:	

TABLE 2.0.1 cont.'d
CLAIM DATA

Claim Name	Record Numbers	Record Date	Expiry Date	NTS
Slab 199 - 208	YB29120-129	10/19/92	12/31/97*	106D16
209 - 212	YB22343-346	07/09/93	07/09/94	106C13
213 - 222	YB22493-502	08/24/93	08/24/94	106D16

* Subject to approval of assessment work covered by this report

3.0 LOCATION, ACCESS AND PHYSIOGRAPHY

The Slab property is located in the Wernecke Mountains of east central Yukon, approximately 185 kilometres north-northeast of Mayo (Figure 1). The claim group is located 11 kilometres west-northwest of Fairchild Lake and 29 kilometres north of Gillespie Lake on the north side of the Bonnet Plume River valley. Coordinates are 65°00′ north latitude and 134°00′ west longitude and the property is centred where the Nash Creek, Nadaleen River, Wind River and Snake River 1:250,000 map sheets join.

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

Access during the 1993 field program was by DC3 aircraft from Mayo to the Bear River airstrip and then by helicopter 13 kilometres northeast to a base camp established on Breccia Creek. The Slab property lies 8 kilometres north of the base camp and was reached by helicopter.

The Wind River winter tote road, originating near Elsa, was built through the project area during the 1950's to access oil and gas exploration sites to the north and in the early 1960s was utilized again during work on the Snake River (Crest) iron deposit. In the late 1960s, several spur trails and airstrips were constructed providing access to the Dolores Creek, Wind River, and Bonnet Plume (Hoover) copper prospects and to the Bear River iron deposit. The winter road was used by Pan Ocean Oil during their coal and uranium exploration program in 1979 and 1980.

Elevations on the Slab property range from 610 to 1737 metres above sea level and relief varies from gentle to extreme. The southern claims lie in the Bonnet Plume River floodplain and are essentially flat. The most outstanding feature on the property is Slab Mountain, a malachite and azurite stained wedge shaped, sheer

mountain face fronting the Bonnet Plume River. A small rock glacier originating from the mineralized slopes of Slab Mountain flows down to the Bonnet Plume River.

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

Most of the property lies above tree line with the exception of the lower slopes and the valley bottom where the vegetation consists of stunted spruce, wild rose, arctic sage, dwarf alder and willow.

Climate in the area is characterized by six months of cold winter and three to four months of warm to hot summer with May through early October the best months for exploration on the lower slopes of the property. Higher elevations are accessible June through September. The average daily January and July temperatures for Mayo are -29°C and 15.2°C with annual precipitation of 306.3 millimetrees, of which 40% is snow.

4.0 AREA AND PROPERTY EXPLORATION HISTORY

4.1 Area Exploration History

The first copper occurrences were noted by trappers working in the region at the turn of the century. In 1935, the McCluskey Lake copper occurrences were staked and the Bonnet Plume and Wind River area received sporadic exploration for copper over the next 20 years. Exploration activity was stimulated in the early 1960s when California Standard Company through their subsidiary Crest Exploration Limited worked on their world class banded iron formation deposit in the Snake River area. Drilling outlined 18.6 billion tonnes averaging 47% iron in the Hadrynian Rapitan Group (Yeo, 1986).

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

In 1971, the discovery of zinc-lead showings in the Mackenzie Mountains to the east brought exploration activity to the southeastern portion of the Wernecke Mountains. Continued lead-zinc exploration in the Proterozoic basin led to the discovery of uranium mineralization in 1974 by Archer Cathro and Associates Ltd. In the period of 1975 to 1980, a number of major companies (i.e. Urangesellschaft, Noranda) and joint ventures (i.e. Wernecke Joint Venture, Mountaineer Mines-Pan Ocean Oil Ltd.) were involved in exploration of breccia-related uranium mineralization. At this

time, Pan Ocean drilled coal reserves on their leases to outline in excess of 500 million tonnes of low sulphur, high volatile bituminous coal in Cretaceous strata in the Bonnet Plume Basin located north of the Wernecke Mountain Range.

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

4.2 Property Exploration History

The Slab 1-222 claims cover two Minfile occurrences (106D/16-70 and 106C/13-6). The first Minfile occurrence was initially staked in 1910 and then in 1965 by J.B. O'Neill and in 1968 by Cyprus Exploration Ltd., which carried out geological mapping and prospecting (Assessment Report 190470). The property was restaked in 1973 on behalf of New Minex Resources Ltd., which performed mapping and sampling from 1974 to 1976 (Assessment Report 090172). This work defined an area of exposed copper mineralization measuring 975 m by 150 m. A 30.5 m chip sample over a portion of this zone assayed 0.63% Cu with geochemically anomalous molybdenum values. The area was again staked in 1980 by Pan Ocean Oil Limited as part of their large Eagle claim block. In 1980, work on the Eagle included grid emplacement, prospecting, geological mapping, soil sampling, ground magnetometer surveys, explosives-assisted hand trenching, and HQ/NQ wireline drilling (Assessment Report 090817). Nine drill holes, totalling 1038 metres, were directed at cobalt targets at this time and results turned up significant copper values including 5.19 metres of 1.05% Cu and 27.14 metres of 3443 ppm Cu. No attempt was made at this time to follow-up the copper potential of this prospect. At the same time, one drill hole was targeted at the copper mineralization exposed on Slab Mountain. This hole, S-1-80, was abandonned at 152.4 metres before reaching target depth.

The second Minfile occurrence is located in the northeast Slab claims area and was first staked by the Wernecke Joint Venture in 1975. The claims were optioned to Eldorado Nuclear in 1976 which performed mapping, radiometric surveys and hand trenching (Assessment Reports 061564, 090151). The area was restaked as part of the same Eagle group mentioned above (Stammers, 1992).

In 1992, Westmin Resources Limited carried out a preliminary exploration program on the Slab 1-84 claims consisting of lithogeochemical sampling, soil sampling, chip sampling, prospecting and geological mapping. A total of 132 lithogeochemical samples, 38 grab samples, 17 chip samples and 5 soil samples were taken.

5.0 1993 EXPLORATION PROGRAM

During the period June 12-28, Westmin Resources Limited carried out an exploration program on the Slab claims, consisting of grid establishment, soil geochemistry, geological mapping, prospecting, induced polarization and magnetometer geophysical surveys and re-sampling of core from a 1980 diamond drill hole. Prior to the field season, orthophoto mapping of a portion of the claim group was completed.

For purposes of reporting, the claims have been divided into four map areas that will be discussed separately. These areas, from west to east are described as the Ewe, Slab, Eagle and Plume properties (Figure 3).

Orthophoto mapping utilizing existing government aerial photographs was completed over the Eagle and Slab Mountain areas by the Orthoshop of Calgary, Alberta. Contour base maps with and without photography were prepared at 1:5000 and 1:10000 scales with a contour interval of 20 metres. The approximate area mapped totalled 25.9 square kilometres and extended from Slab Creek in the west to Eagle Creek in the east (7.2 km) and from the Bonnet Plume River in the south to the north claim boundary (3.6 km).

Grid establishment in the Ewe and Plume areas included the emplacement of a belt-chained, flagged baseline along a pre-existing claim line with slope corrected, flagged and compassed crosslines. On the Ewe grid, the baseline was 2.4 kilometres long and seven crosslines totalled 5.2 kilometres. On the Plume grid, the baseline measured 1.6 kilometres and five crosslines totalled 4.3 kilometres. At Eagle, a 1.1 kilometre, secant-chained and picketed baseline was emplaced with twelve crosslines totalling 6.1 kilometres.

Soil geochemistry was completed over the Ewe, Eagle and Plume grids. On the Ewe grid, 107 samples were taken every 50 metres on seven lines 400 metres apart. At the Eagle grid, 152 samples were collected at 50 metre intervals on twelve lines 100 metres apart. The work at Eagle expanded an earlier survey grid completed by Pan Ocean where soils were obtained at 30 metre centres. A total of 100 soils were taken every 50 metres on five lines 400 metres apart on the Plume grid. In addition, a single contour soil line (1950 m) was established on the northwest part of the Plume property with 35 samples taken every 50 metres. One silt sample was collected within the Plume grid.

Soil samples were collected, where possible, from "B" horizon material at depths ranging from 10 to 40 cm and placed in numbered kraft envelopes. The sample site was marked in the field with plastic flagging and the sampler recorded notes pertaining to sample horizon, colour, texture, vegetation, and local physiography. Samples were partially dried in camp and then

shipped to Chemex Labs of North Vancouver, B.C. for sample preparation and analysis. Analytical procedures and a complete set of results for gold, lanthanum and 24-elements by ICP geochemistry may be found in the appendices.

Geological mapping was completed on the Eagle grid at 1:2500 and in the Slab Mountain environs area at 1:5000 scale. Preliminary mapping at 1:20000 scale was initiated at the Ewe and Plume grids.

A total of 193 rock samples was collected on the property. In the field, sample locations were marked by a metal tag and a combination of pink and blue flagging. A breakdown of rock samples includes: 135 core samples from a 1980 Pan Ocean diamond drill hole (E-3-80) collared on the Eagle grid; 8 samples from the Ewe grid; 16 samples from the Slab Mountain area; 22 samples from the Eagle grid and 12 samples from the Plume grid. Core from E-3-80 is stored at Fairchild Lake. All samples were shipped to Chemex Labs and analyzed for gold-lanthanum plus 24-elements by ICP geochemistry. Fifteen overlimit assays were performed for copper, cobalt or nickel. Rock description forms, drill core sheets, analytical procedures and complete results are included in the appendices of this report. The statistical analysis and drafting was completed by Westmin Resources Limited.

Induced polarization/resistivity (IP) and magnetometer surveys were completed on the Eagle grid and in the Slab Mountain area by Scott Geophysics Ltd of Vancouver, B.C. IP coverage totalled 4.1 kilometres on four lines at Eagle and 1.9 kilometres on two reconnaissance lines just west of Slab Mountain. Magnetic coverage included 5.6 kilometres at Eagle and 1.9 kilometres at Slab Mountain. A geophysical report, including maps, instrumentation and procedures are appended.

6.0 REGIONAL GEOLOGY

This summary of the regional geology is based on work by Delaney (1985), Thorkelson and Wallace (1993) and by Pamicon Developments Ltd. (unpublished, 1977). References to earlier work are cited by Delaney. Map sheet 106C/13 was mapped by Thorkelson and Wallace during the 1993 field season and this work is scheduled to be released early in 1994.

The Wernecke Mountains are cored by at least 14,000 metres of generally fine-grained terrigenous and carbonate rocks of Helikian age that have been penetrated by hematite breccias and cut by mafic sills and dykes (Figure 3). The entire succession has been named the Wernecke Supergroup and has been divided into three groups (oldest to youngest): Fairchild Lake Group, Quartet Group and Gillespie Lake Group. To the east and south, the Hadrynian Pinguicula Group unconformably overlies the Wernecke Supergroup.

LEGEND

(to accompany Figure 3)

STRATIFIED ROCKS

Quaternary

Q Alluvium, colluvium, and glacial deposits

Cambrian to Devonian

CDc Resistant, crudely stratified, light grey weathering dolostone

Middle to Late Proterozoic

Pinguicula Group (?) PP

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

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

Middle Proterozoic

Gillespie Lake Group

PGL Undivided Gillespie Lake Group: orange, brown and grey weathering dolostone and silty dolostone, locally stromatolitic, locally hosting chert nodules, interbedded with subordinate black weathering siltstone and shale, green, grey and brown weathering laminated mudstone, and grey to white weathering quartzose sandstone.

- **PGLbm** Southwest of Bear River, brown to black weathering laminated mudstone and shale
- **PGLgm** Southeast of Bear River, green, grey and brown weathering laminated mudstone
- **PGLs** Black weathering siltstone and shale
- **PGLb** Basal Gillespie Group: cross laminated, orange weathering silty to sandy dolostone interbedded with black weathering shale and grey to white weathering quartzose, fine-grained sandstone

Quartet Group

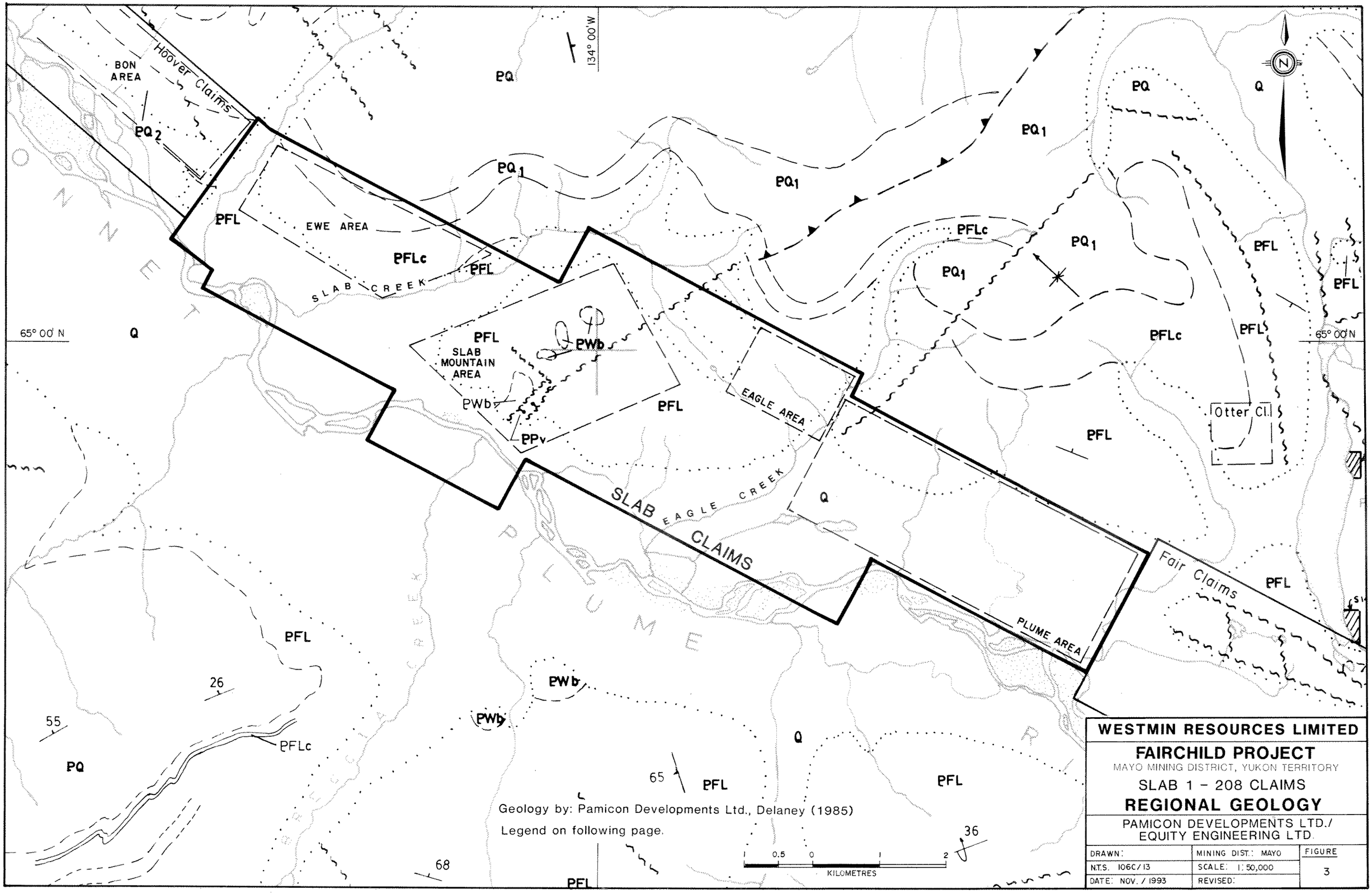
PQ Black weathering shale, finely laminated dark grey weathering siltstone, and planar to cross laminated light grey weathering siltstone and fine-grained sandstone. Grades upward into basal Gillespie Lake Group.

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

Fairchild Lake Group

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

- **PFLc** Grey, brown and white weathering carbonate with minor interbeds of dark siltstone and shale
- **PFLs** Black and dark grey weathering shale and siltstone with minor interbeds of carbonate



Geology by: Pamicon Developments Ltd., Delaney (1985)

Legend on following page.

WESTMIN RESOURCES LIMITED

FAIRCHILD PROJECT

MAYO MINING DISTRICT, YUKON TERRITORY

SLAB 1 - 208 CLAIMS

REGIONAL GEOLOGY

PAMICON DEVELOPMENTS LTD./
EQUITY ENGINEERING LTD.

DRAWN:	MINING DIST.: MAYO	FIGURE
N.T.S. 106C/13	SCALE: 1:50,000	3
DATE: NOV. / 1993	REVISED:	

INTRUSIVE ROCKS

Middle to Proterozoic to Mesozoic

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

Fine- to medium-grained gabbro, diorite and basalt

Middle to Late Proterozoic

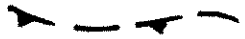
Wernecke Breccia

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

SYMBOLS

stratigraphic or intrusive contact
known, approximate, assumed

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



reverse fault (teeth on hanging wall)

bedding
inclined, overturned, vertical

fold axis
syncline

anticline

GEOLOGY

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

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

Paleozoic strata bound the western margin and Cretaceous and Tertiary sediments fill the area to the north in the Bonnet Plume Basin.

A complete table of formations including lithologies is presented on the legend following Figure 3. This map is a portion of the 1:100,000 regional geology completed by Pamicon Developments Ltd. in 1977 and modified in 1993 incorporating work by Thorkelson and Wallace.

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

7.0 PROPERTY GEOLOGY

7.1 Eagle

The Eagle grid is underlain by a metamorphosed and altered sequence of Fairchild Lake Group sediments, which are cut by breccias and dioritic intrusives (Figure 4). Stratigraphy is upright and strikes northwest-southeast with a moderate northeast dip. Minor folding was noted.

The Fairchild Lake Group stratigraphy may be subdivided between an older package of calcareous siltstone (**Unit Fstc**) and interbedded limestone, siltstone and sandstone (**Unit Fss**) and overlying noncalcareous, green phyllite (**Unit Fph**) and black shale (**Unit Fsh**). Metamorphism has modified these units (**Units Fssh, Fhn, Fph, Fsto**) with biotite, garnet, chloritoid, quartz and cordierite development.

Unit **Fss** is a light brown weathering, interbedded unit of limestone, calcareous sandstone and siltstone. Individual horizons normally vary from 1 to 5 centimetres in thickness, with some beds up to 10 centimetres. The finer-grained layers are more resistant giving the unit a "ribbed" appearance. Unit **Fstc** is similarily carbonate-rich, but is primarily thinly-laminated siltstone with minor sandstone and limestone horizons. Biotite, cordierite and garnet metamorphic overprints of the above units are most pronounced in the southern part of the grid (**Units Fssh, Fhn**) and limestone beds are marblized. Unit **Fhn** is typically harder and

dark grey-to black in colour. The resistant cordierite grains stand out on weathered surface. At creek level, Unit Fhn is in fault contact with pyritic, dark black shale (**Unit Fsh**).

Unit **Fsto** is a dark green fine-grained hornfelsed mudstone-siltstone unit which occupies the ridge and dip slope on the west part of the grid. The rock unit contains distinctive white weathering, circular, 1-3 millimetre porphyroblasts (quartz?) and is strongly chloritic.

Unit **Fph** is platy grey-green, chloritoid "spotted", phyllite occupying the eastern part of the grid. The chloritoid porphyroblasts are tabular crystals, 1-5 millimetres in length. The unit is strongly chloritic and veined by quartz-carbonate.

All of the intrusive bodies are grouped under Unit **Idi:** magnetic, medium-grained, equigranular dioritic intrusives. The intrusives are grey to brown, rounded weathering and may contain up to 10-15% magnetite. This rock unit is composed of plagioclase and chlorite altered mafic minerals. Epidote and magnetite are developed in in surounding rocks. Narrow altered zones are found along the margin of the bodies.

Two different types of heterolithic breccias were observed during mapping on the Eagle grid. The most abundant breccia type is a chalky brown to grey, chaotic heterolithic breccia (**Unit Bhtc**). This breccia differs from the more typical Wernecke breccia type by its low specular hematite content (<2%) and its lack of a consistent size distribution of dominantly angular sedimentary fragments. Some fragments exhibit biotite and cordierite development indicating that metamorphism preceded brecciation. Bedded jasper fragments, consistent with the local stratigraphy, were noted at 5500N, 4500E. The colour of the matrix is due to the presence of strong carbonate, quartz, albite and epidote. The boundaries of the breccia are often indistinct grading into homolithic breccia phases (**Unit Bhm**) and crackled sediments. In other locations, sharp contacts are observed and the breccia appears almost conformable to the stratigraphy. A sulphide-bearing, hydrothermal heterolithic breccia (**Unit Bht**) is exposed along Eagle Creek at the south end of the grid. The breccia contains strong chlorite, carbonate and sericite alteration products. Sulphide grains are disseminated evenly throughout the matrix and fragments; iron oxide minerals are very minor constituents. Overall, other Bht occurrences represent a small portion of the total breccia and are poorly mineralized.

7.2 Slab Mountain

The Slab property is underlain by a metamorphosed and altered sequence of Fairchild Lake Group sediments, which are cut by breccias and locally diorites. A fault-bounded wedge of pillowed basalts of unknown affinity occurs at the southern limit of

exposure (Figure 5). Several north and southeast trending faults, of unknown displacement, cut stratigraphy, alteration and mineralization. Folding is not widespread, however, internal isoclinal chevron folding is well developed in the northeast map area. Units are typically well bedded and moderately foliated parallel to bedding. Jointing or fracture planes strike roughly 110° and dip steeply to the south. Stratigraphy and foliation strike on average 110°. In the Slab Mountain area, foliation dips moderately to the northeast, but in the Slab Ridge area dips vary from south to north. For the purposes of this section, the southern most peak on the property is referred to as Slab Mountain while the ridge to the northeast of Slab Mountain is referred to as Slab Ridge.

The Fairchild Lake Group stratigraphy may be subdivided into several lithologies of uncertain stratigraphic order: green-grey siltstone-cherty argillite with interbedded carbonate (**Unit Fchc**), biotite hornfels (**Unit Fhn**), limestone (**Unit Fls**), grey phyllite (**Unit Fph**), calcareous siltstone (**Unit Fstc**), and dolomitic siltstone (**Unit Fstd**).

The **Fchc** unit is usually light grey to medium green, and ranges from massive to rhythmic bedded siltstone to cherty argillite with calcareous interbeds. In many localities, the unit is cherty, but this may be a result of quartz-albite alteration of a fine grained siltstone. On the north side of Slab Mountain, the Fchc unit is a dark green colour and resembles a fine grained volcanic tuff. The rhythmic-bedded sections are often internally folded into isoclinal chevron folds. The unit is often quartz-albite altered, imparting a distinctive chalky white to pale pinkish brown colour. Calcareous interbeds are locally altered and mineralized with quartz-albite-muscovite ± chlorite, epidote, chalcopyrite and magnetite. This unit may be equivalent to the Fss unit mapped on the Eagle property.

The biotite hornfels (**Unit Fhn**) forms the south side of Slab Mountain. The unit is typically a massive to foliated fine-grained quartz-biotite hornfels. Although not visible the hornfels likely represents a contact metamorphosed, silicified and potassic altered fine grained siltstone. This lithology or alteration zone is host to the majority of chalcopyrite and pyrite mineralization on the Slab Property and may also represent a major shear or fault zone.

Limestone (**Unit Fls**) occurs as a discrete unit in the northeast corner of the map area. The limestone is light grey massive to thick bedded. In the exposed area it is underlain by calcareous siltstones (**Unit Fstc**) and overlain by cherty siltstones and argillites (**Unit Fchc**).

The grey phyllite (**Unit Fph**), forms a large northwest trending block between Slab Mountain and Slab Ridge. It varies from grey to green, and from slaty to a strongly crenulated phyllite. The

degree of deformation appears to increase near both the north and south contacts, suggesting the presence of sheared contacts.

The calcareous (**Unit Fstc**) and dolomitic siltstone (**Unit Fstd**) units outcrop primarily on the north side of Slab Ridge. They vary from pale grey to reddish grey, and are often finely laminated. Beds of banded iron formation and jasper occur locally, suggesting that the red siltstone beds (earthy hematite) may be primary oxidized sediments. On the north side of Slab Ridge, in the western half of the map area the siltstone units contain up to 10% 1-3mm porphyroblasts of possible cordierite. Similar porphyroblastic textures were also noted at the grid northeast of Hoover and on the Eagle property. These may represent an outer contact metamorphic aureole peripheral to the biotite hornfels.

Diorite to gabbroic intrusive rocks (**Unit Idi**) are a minor lithology and occur as irregular dyke-like bodies in both sedimentary rocks and in association with breccias. Diorites are dark green, medium-grained, equigranular intergrowths of chloritized amphiboles, epidote, interstitial plagioclase and minor magnetite and biotite. A sequence of amygdaloidal basalt flows (**Unit Ibs**), with well preserved individual flow units, forms a north-striking structural wedge at the south extreme of the map area. A gabbroic sill within the core of the basalt flows is weakly mineralized with disseminated chalcopyrite.

There are primarily two different types of breccia on the Slab property. The most extensive is the chaotic breccia (**Unit Bhtc**) and less prominent is the homolithic breccia (**Unit Bhm**). Typical Wernecke heterolithic breccias (**Unit Bht**) are not well developed, however, in some localities gradations of the Bhm and Bhtc breccias resemble Bht breccia. The chaotic breccia is typically pale grey to pale brown. The breccias are framework supported; fragments are comprised largely of angular, unaltered to weakly altered laminated carbonate-rich siltstones with rare jasper and banded iron formation. These lithologies most resemble units outcropping on the north side of Slab Ridge, indicating vertical displacement within the breccia is minimal. They are poorly sorted, with fragments ranging from centimetres to greater than a meter and rarely greater than 5-10 metres. The matrix is dominated by comminuted rock fragments, or rock flour, and contains only a small proportion of quartz, albite, carbonate ± chlorite, epidote, K-feldspar, biotite , hematite, magnetite and epidote. In contrast to more typical heterolithic breccias, chaotic breccias contain minor, generally less than 2-5% specular hematite, and are generally barren of copper mineralization. The boundaries of the breccias are often indistinct and grade into marginal homolithic breccia phases (Bhm). At the extreme north end of the map area crackle brecciated diorite is in contact with chlorite, magnetite and epidote rich chaotic breccia. The contact relationship and matrix mineralization within the breccia suggest that the diorite may have been intruded synchronous or immediately after breccia

formation. Homolithic breccia (Bhm) occurs in the central part of the map area on Slab Ridge. Fragments are moderately quartz-albite-K-feldspar? altered siltstones in a matrix of granular quartz, rock flour, minor chlorite, carbonate and less than 2-3% specular hematite. The homolithic breccias are not very distinct from the chaotic breccias and differ primarily in the degree of alteration, and homolithic nature.

7.3 Ewe

The Ewe grid was not systematically mapped, however, the general geology was defined during soil sampling and by incorporation of the regional geological features (Figure 6). The area is underlain by undifferentiated sediments belonging to the Fairchild Lake Group (**Unit Fxx**), which include cherty argillites, perhaps equivalent to the Fchc unit at Slab, and limestones and argillites. The contact with the overlying Quartet Group (**Unit Qxx**) lies immediately to the northeast of the grid lines. Dolomites and shales (**Unit Fdo**) of the Fairchild Lake Group transitional zone (Pftr) straddle the central part of the grid. Small exposures of heterolithic hematite breccia (**Unit Bht**) and diorite (**Unit Idi**) were also noted. Units strike northwesterly and dip to the northeast. Deformational features include folded quartz veins and isoclinal chevron folds within cherty argillites.

7.4 Plume

The Plume Grid is underlain by a metamorphosed and altered sequence of Fairchild Lake Group sediments, which are cut by breccias and dioritic intrusives (Figure 7). On the north side of the Plume baseline and contour soil line, the stratigraphy has the appearance of a simple homoclinal sequence striking east-west and dipping moderately to the north. However, on outcrop scale, individual beds are often contorted and folded. Minor fold axes plunge 20° to 35° to the north and northeast. The southern half of the grid lacks consistent bedding attitudes which may be due to complex folding or alternatively, rotational movement within megabreccias or fault blocks.

The Fairchild Lake Group stratigraphy is similar that found on the Eagle grid although higher grades of contact metamorphism is more pronounced in the latter. The presence of low grade metamorphic effects is manifested as porphyroblastic textures, biotite hornfels and sericite/muscovite fabric. Some areas contain typical calc-silicate or skarn mineral assemblages of epidote, tremolite, chlorite and magnetite.

Unit **Fss** is a light grey to green weathering, rhymthically bedded unit of limestone, calcareous sandstone and siltstone. Individual horizons normally vary from 1 to 5 centimetres in thickness, with some beds up to 10 centimetres. The finer-grained layers are more resistant giving the unit a "ribbed" appearance.

When metamorphosed, this unit contains biotite and porphyroblasts (**Unit Fssh**). Unit **Fstc** is similarily carbonate-rich, but is primarily thinly laminated siltstone with minor sandstone and limestone horizons.

Unit **Fsto** is a dark green fine-grained, hornfelsed mudstone-siltstone unit which occupies the ridge and dip slope on the west part of the grid. The rock unit contains distinctive white weathering, circular, 1-7 millimetre porphyroblasts (quartz?) and is strongly chloritic. This unit is overlain by a brown weathering quartzite and grey phyllite (**Unit Fqz**).

Unit **Fph** is platy grey-green phyllite occupying the eastern part of the grid. The unit is strongly chloritic and veined by quartz-carbonate. In this part of the grid, grey to green cherty argillite (**Unit Fchc**) is found adjacent to diorite and breccia units. The argillite is altered by quartz, chlorite, carbonate and potassium feldspar.

All of the mafic intrusive bodies are grouped under Unit **Idi**: magnetic medium-grained, equigranular dioritic to gabbroic intrusives. Sedimentary units bordering the intrusive are often epidote and chlorite altered. A coarse- to medium-grained gabbro unit was mapped in the steep gully between lines 8900N and 9300E near the baseline. The unit is locally amygdaloidal suggesting that this may be a flow-sill complex similar to that found east of Fairchild Creek and at Slab Mountain. Large angular blocks of this unit are found within the sodic heterolithic breccia immediately to the north.

Two different types of heterolithic breccias were observed during mapping on the Plume grid including a chalky white to grey, chaotic heterolithic breccia (**Unit Bhtc**) with a low specular hematite content (<2%) and a heterolithic hydrothermal breccia with up to 10% specular hematite (**Unit Bht**). The chaotic breccia lacks a consistent size distribution of dominantly angular sedimentary fragments, some of which are biotite-rich. The colour of the matrix is due to the presence of strong albite, carbonate and minor epidote. The breccia units are spatially related to the mafic intrusive units and boundary phases are often indistinct grading into framework supported, homolithic breccia phases (**Unit Bhm**) and crackled sediments.

8.0 MINERALIZATION

8.1 Eagle

Two styles of copper-cobalt mineralization have been identified on the Eagle grid: (1) disseminated and fracture controlled chalcopyrite +/- pyrite in sedimentary and breccia units and (2) massive cobaltite + chalcopyrite +/- pyrrhotite-pyrite +/-

skutterudite quartz-carbonate veining and associated stockwork. The Eagle Zone is comprised of a core zone of higher grade cobalt-bearing mineralization within a larger zone of disseminated sulphide minerals in metasedimentary rock units. New zones of sediment-hosted disseminated mineralization were discovered grid west and northwest of the Eagle trend in only weakly metamorphosed sedimentary units.

The Eagle mineralization extends from Eagle Creek to approximately L5400N, a distance of approximately 600 metres (Figures 4,8 and 9). The mineralization is closed to the northwest but remains open to the southeast. Earlier workers report following mineralization for several hundred metres up the northwest facing slope of Eagle Creek. The width of the zone is poorly defined but the exposure in Eagle Creek and an examination of drill hole E-3-80 indicates a width in excess of 35 metres with >1% chalcopyrite. Within this larger zone of disseminated and fracture-controlled mineralization, a higher grade core occurs, containing erratically distributed massive lenses (<30 cm) and narrow quartz-carbonate veins/stockwork of massive chalcopyrite, cobaltite, pyrrhotite, pyrite and skutterudite(?). The presence of skutterudite has not been visually verified but is suspected due to high nickel values in certain samples (Sample 546402 - 4.66% Ni, 16.00% Co). Pervasive albite and carbonate alteration is associated with this zone, as are weathering products erythrite, malachite and azurite. The mineralization is hosted in clastic, carbonate-rich hornfelsed sediments displaying varying degrees of contact metamorphism. Quartz, biotite, garnet and cordierite development occurs throughout the hornfelsed area with the former two minerals being most prevelant. Garnet and cordierite are most pronounced in the pelitic horizons. Copper values appear to be concentrated in coarse-grained granoblastic hornfels or coarse clastic horizons. Conversely, cobalt is restricted to areas with albite-carbonate alteration rather than with strong contact metamorphism which is more widespread. The albitization and carbonatization appear to overprint the earlier metamorphic event.

Sampling was conducted in three different areas of exposure of the Eagle Zone: Eagle Creek, a trenched area at 5150N, 4975E and an area centered at 5325N, 4960E. A summary of these results are listed in Table 8.1.1.

TABLE 8.1.1
EAGLE ZONE ROCK GEOCHEMISTRY

Sample	Width (m)	Gold (ppb)	Cobalt (ppm)	Copper (ppm)	Nickel (ppm)
545705[1]	2.5	<5	25	1945	11
545706[1]	18.0	15	394	0.94%	33
545707[1]	0.8	15	>10000	919	1570
545708[1]	1.0	15	73	7.30%	14
545704[2]	4.0	20	1200	1645	101

TABLE 8.1.1 cont.'d
EAGLE ZONE ROCK GEOCHEMISTRY

Sample	Width (m)	Gold (ppb)	Cobalt (ppm)	Copper (ppm)	Nickel (ppm)
546401[2]	0.5	<5	161	3250	51
546402[2]	float	1200	16.00%	1525	4.66%
546403[3]	1.5	155	288	1.26%	60
545629[3]	4.0	<5	45	762	29
545630[3]	10.0	<5	56	3300	29
545631[3]	13.0	25	107	2110	36

[1] Eagle Creek
[2] Trench area - 5150N, 4975E
[3] 5325N, 4960E

Sample 546402 also contains anomalous bismuth (920 ppm) and tungsten (810 ppm). Lead, zinc and silver values are low for all samples.

The second style of mineralization parallels the south tributary of Eagle Creek. Biotite-bearing sandy and silty horizons in units Fss, Fstc and to a lesser extent, units Fhn and Fsto contain disseminated, fine to coarse grains of chalcopyrite and pyrite. Weak carbonate and albite alteration is asssociated with the mineralization and quartz-carbonate filled fractures with blebby chalcopyrite may be present. Malachite and azurite weathering is not prevalent except in areas with abundant veining. This type of mineralization is distinguished by the lack of intense alteration and low cobalt values. The mineralization was sampled in two areas 500 metres apart; the width of the mineralized zone is unknown. Float sample 545846 returned 1.09% copper from vein type mineralization and float sample 545627, which returned 5680 ppm copper, is representative of the grade of the disseminated mineralization.

Other mineralization includes minor concentrations of chalcopyrite with elevated barium and gold values in the northwest corner of the Eagle grid in an area of brecciation and dioritic intrusives. A magnetite-carbonate-chlorite skarn zone with 2% pyrite was sampled at 5825N, 4990E, returning low metal values.

The drill core from E-3-80, stored at Fairchild Lake, was examined and all available core was resampled (Appendix F). The new sampling gives an indication of the width of the entire mineralized intersection but new weighted averages cannot be completed as some of the core boxes were missing or upset with core and distance markers being removed, lost or misplaced. In addition, portions of the hole were incorrectly sampled during this program. However, the sampling does indicate the full extent of the Eagle mineralization and the gold content of this mineralization; only four intervals were tested for gold in 1980.

A quick log summary of the drill hole is tabled below.

TABLE 8.1.2
DRILL SUMMARY E-3-80

FROM (metres)	TO	DESCRIPTION
0	3.5	Casing
3.5	38.5	Quartz-biotite-cordierite-garnet hornfels (**Fhn**), dark grey-brown, fine-grained, trace sulphides
38.5	49.8	Heterolithic breccia (**Bht**), chalcopyrite, pyrite disseminated through matrix and fragments, carbonate and chlorite alteration
49.8	66.0	Quartz-biotite hornfels (**Fhn**) ,oarse-grained "gneissic" textured, dissmeinated and patchy chalcopyrite, pyrite
66.0	135.2	interbedded siltstone and sandstone, minor biotite development (**Fss, Fssh**), buff coloured, trace disseminated chalcopyrite, pyrite
135.2	142.0	Biotite-cordierite hornfels (**Fhn**), trace chalcopyrite, pyrite
142.0	174.3	Garnet-biotite hornfels (**Fhn**), coarser grained quartz-biotite zone on lower contact, disseminated chalcopyrite, pyrite and on carbonate fractures
174.3	196.6	Quartz-biotite hornfels (**Fhn**) 189.2-191.5 magnetite-bearing zone 193.5-195.9 sedimentary (?) breccia
196.0	198.0	Diorite (**Idi**), magnetite-bearing, upper and lower contacts faulted
198.0	246.9	Chaotic breccia (**Bhtc**), crackled towards bottom of the hole

The 1980 sampling returned 3443 ppm copper over the entire sampled interval of 27.14 metres from 34.89 to 62.03 metres including 1.08% copper and 335 ppm cobalt over 5.19 metres from 51.05 to 56.24 metres. The higher grade intersection lies within an intensely metamorphosed, "gneissic" textured, quartz-biotite hornfels on the lower contact of a chalcopyrite-pyrite bearing and carbonate-chlorite altered heterolithic breccia. The breccia contains quartz and silicified fragments and lacks iron oxide minerals typical of Wernecke breccias. The 1993 sampling indicates that anomalous copper values (> 500 ppm, max. value = 9620 ppm) persist from the 1980 sampling to the top of the hole and down the hole, to a depth of 71.00 metres for an overall core length of approximately 65 metres. The better mineralized portion of this interval, the 'Eagle Zone' appears to be from 34.13 to 71.00 metres. The zone contains the higher grade zone described above and a second zone of higher copper-cobalt values that extends from the end of the 1980 sampling at 62.03 to 67.66 metres. The three samples taken over this interval contained 9620 ppm, 8110 ppm and 7220 ppm copper. No cobaltite was noted in the drill logs for E-3-80, however, anomalous cobalt values up to 1085 ppm are contained

in the Eagle Zone core. The highest gold analysis was 150 ppb although vast majority of values were below detection limit. Copper values drop off within the interbedded siltstone-sandstone unit and increase again from 149.0 to 180.88 metres within the garnet-bearing hornfels unit. Cobalt values are only weakly elevated in this second copper zone.

A coarse-grained, magnetite-bearing diorite dyke was intersected from 196.0 to 198.0 metres. Chaotic breccia was intersected below the diorite to the end of the hole. Copper and cobalt values are very low and gold is below detection limit within this unit except for sample 546363 which contained 668 ppm copper, 1070 ppm zinc and 710 ppm tungsten.

8.2 Slab Mountain

In addition to the mapping program, mineralized areas identified in the 1992 program were followed up and assessed in terms of grade and size potential (Figures 10 and 11). This follow up was mainly directed at the Slab Ridge area where the nature of the mineralization was not well known. Stammers (1992) provides more information on Slab Mountain mineralization.

Mineralization on the Slab property is concentrated in two separate areas, Slab Ridge and Slab Mountain (Figure 10, 11). The mineralization on Slab Mountain consists of chalcopyrite, pyrite, malachite, azurite and rare bornite within a broad northwesterly trending structural zone of biotite hornfels. On the north side of Slab Ridge mineralization is discontinuous, occurring as disseminated chalcopyrite ± chalcocite ± bornite in siltstones and as blebs along bedding planes and filling fractures in laminated siliceous sediments (Fchc). Based on calculated correlation coefficients gold correlates weakly with the higher concentrations of copper, and with tungsten. Cobalt, which is generally in low concentrations on the Slab Property correlates with beryllium, bismuth, copper, nickel, tungsten and zinc (Appendix F).

The Slab Mountain hornfels zone, which is host to the majority of mineralization, strikes approximately 120° and dips steeply to the southwest. The zone is approximately 150 to 200 meters wide at its widest point and is exposed over 1000 meters along strike, terminated by a fault to the east, and by overburden to the west. The hornfels zone is strongly foliated, fractured and locally sheared, suggesting the existence of a significant structure. The 1992 samples of this mineralization include a 30 metre composite chip sample that averages 0.3% copper and a 10 metre chip sample that contains 0.60% copper and 282 ppb gold. The mineralization is hosted in dark brown biotite hornfels. Chalcopyrite is disseminated and within vuggy, quartz-carbonate-chlorite ± diopside and actinolite stringers and as folioform blebs and lenses. On the northeast flank of the biotite hornfels mineralization has a different mode of occurrence. Chalcopyrite with minor pyrite is

irregularly disseminated as blebs along fractures and along carbonate-rich bedding planes. Alteration associated with the mineralization is albite-quartz and muscovite with minor biotite-epidote-magnetite and fluorite. In some zones, albite alteration is intense, causing albite flooding and formation of breccias with an albite-magnetite-muscovite-chlorite matrix and framework of siltstone, bull quartz and biotite hornfels. In one exposure, a core of intense albite alteration, with cross cutting quartz-muscovite stringers, contains coarse molybdenite mineralization. Chalcopyrite-bearing stockworks and bedding replacements with selvages of chlorite-sericite and fluorite occur peripheral to the core of alteration. The implied timing relationships (hornfelsing, followed by a sodic, porphyry style hydrothermal event and associated mineralization) are similar to that postulated for the Eagle property.

Mineralization on Slab Mountain is largely controlled by two planar features. The dominant plane is the steeply dipping biotite hornfels zone, which has a strong foliation and a parallel fracture set that extends to the north of the hornfels, into the less altered Fairchild sediments. The second planar feature is bedding, which dips moderately to the north. Mineralization therefore is controlled by: 1) southerly dipping structures that host mineralization along foliation and brittle fracture fillings; and 2) replacement type mineralization along bedding planes and in particular carbonate rich laminae.

Detailed results of the Slab Ridge mineralization are summarized in Stammers (1992); below is a summary of significant results from 1993 sampling directed at assessing the areas outlined in the 1992 exploration.

TABLE 8.2.1
SLAB RIDGE ROCK GEOCHEMISTRY

Sample Number	Type	Width(m)	Cu(%)	Au(ppb)	Mo(ppm)
545804	float	-	2.78	30	19
545805	chip	2.5	0.23	75	15
545806	chip	1.8	0.73	170	16
545807	chip	4.0	0.59	320	48
545808	chip	4.0	0.55	385	10
548809	float	-	0.54	170	1
545901	grab	-	0.19	30	4
545902	chip	3.0	0.26	20	3
545903	grab	-	8.34	455	350

Samples 545804 and 545805 are of chalcopyrite mineralization hosted in albite-quartz altered siltstones to cherty argillites. Mineralization occurs in fractures and as blebs of chalcopyrite along bedding planes. The zone is not well exposed, however, the extent of the roughly 5 metre thick, north-south trending mineralization does not appear to be significant. Samples 545806,

545807 and 545808 are all chip samples from a pinnacle outcrop of crackle brecciated sediments and possible chaotic breccia (Bhtc). The breccia is moderately albite ± K-feldspar-biotite altered. Fragments include siltstones-argillites (Fstc?) and biotite hornfels. Mineralization is largely along foliation planes in the fragments and in particular biotite hornfels fragments. Mineralization occurs almost throughout the small pinnacle (30 by 30 metres?), however strike potential is limited by an underlying flat fault which cuts off mineralization. Sample 545809 is a float sample of material similar to the breccia sampled by 545806-545808. The source of this could not be identified, but it may indicate an unexposed extension to the mineralization 250 metres to the east. Samples 545901 and 545902 are located 200 metres northeast of sample 545804 in well bedded cherty argillites and siltstones. Mineralization is associated with an east-west, moderately north dipping, 500 metre long by 50 metre wide conformable quartz-albite -muscovite alteration zone. Discontinuous chalcopyrite mineralization occurs in albite-quartz-sericite ± chlorite and epidote stockwork and bedding replacement zones. There are several pod-like mineral occurrences within the greater alteration zone, however, the discontinuous nature of this mineralization lowers the potential of the zone. The style of this mineralization is very similar to that found on the north side of Slab Mountain and the C Zone at the Hoover property. Sample 545903 is a weakly quartz-carbonate altered grey siltstone with disseminated chalcopyrite, bornite and possible chalcocite, over a thickness of 50 centimetres, that pinches out or is faulted off. The trend of the mineralization is 145°/63°SW. The content of copper, based on the estimates of sulphides in the sample, were much lower than the analytical result indicating the very likely presence of chalcocite. Other samples in the area of "sediment hosted copper", also contain high copper concentrations. 1992 high grade float samples taken directly downslope from 545903 could not be relocated, but it seems likely that the 1993 sample might represent the source of these.

8.3 Ewe

Chalcopyrite mineralization on the Ewe property occurs within the Fairchild Lake Group sediments as conformable quartz veins and stockworks, and as quartz-albite alteration zones and stockworks (Figures 12 and 13). There is limited evidence of a spatial relationship between mineralization, diorites (Idi) and heterolithic breccias (Bht). Table 8.3.1 is a list of significant samples and results from the 1993 program.

TABLE 8.3.1
EWE ROCK GEOCHEMISTRY

Sample Number	Type	Width(m)	Cu(%)	Au(ppb)	Co(ppm)
545501	float	-	1.55	75	52
545502	grab	-	1.38	95	42

TABLE 8.3.1 cont.'d
EWE ROCK GEOCHEMISTRY

Sample Number	Type	Width(m)	Cu(%)	Au(ppb)	Co(ppm)
546001	float	-	0.51	65	6
546002	chip	1.0	1.06	115	641
546003	chip	1.0	0.20	30	16
546005	chip	0.70	2.77	65	210
546006	chip	0.30	5.06	2200	230

Sample 545501 is a float sample of quartz stringer stockwork containing chalcopyrite. There is no indication of the areal extent of this mineralization. Sample 545502 is a grab sample from a 2 metre wide zone of chalcopyrite mineralized quartz stringers, within cherty sediments, proximal to a diorite exposure. The zone is only exposed over 4 metres through overburden. Samples 546001-546006 are all from the northeast corner of the grid, centred on the Ewe showing mineralization. Sample 546001 is a float sample from below the Ewe showing of quartz vein material containing chalcopyrite and specular hematite. Diorite is intermixed with the quartz vein float. Sample 546003 is a chip sample from a 2 meter wide conformable, but folded, quartz vein exposed over a strike length exceeding 100 metres. Sample 546005 is a chip sample from the Ewe showing and consists of chalcopyrite mineralization hosted in strongly quartz-albite altered chert to cherty argillite. The style of this mineralization is considered similar to the stockwork and replacement style mineralization at Slab and Hoover. Sample 546006 is of material similar to 545005, but is adjacent to an exposure of heterolithic breccia. Mineralization at the Ewe showing is exposed over an approximate distance of 15 metres, however there is no definable trend or obvious control to the mineralization.

8.4 Plume

Several minor copper occurrences were discovered during the current program (Figures 7, 14 and 15). The mineralization consists of disseminated and calcite-veined chalcopyrite in rock units Fqz (#545701), Fss (#545615) and Fsto (#545614). The disseminated style of mineralization has been found elsewhere along the Bonnet Plume corridor, including the Eagle and Slab prospects. Sample 545701, taken over 1.0 metre, contained 2300 ppm copper, 19 ppm cobalt and <5 ppb gold.

Lenses of semi-massive to massive pyrite are exposed along a gossanous cliff between lines 8900N and 9300E at approximately 10500N. A 1 to 4 metre wide zone, white to brown in colour, comprised of quartz, carbonate and fragments of the underlying dark quartzite, contains several irregular pods and lenses of mineralization. The overlying unit is a grey to brown calcareous siltstone. A grab sample (#545702) across 1.0 metre returned 485 ppm copper, 24 ppm cobalt and <5 ppb gold.

9.0 SOIL GEOCHEMISTRY

9.1 Eagle

In 1980, 352 soil samples were collected on 30 metre centres over the Eagle grid and analyzed for copper, cobalt, nickel, manganese, zinc and lead. This work outlined two north-northwesterly trending coincident copper-cobalt anomalies defined by >300 ppm and >60 ppm, respectively. These anomalies outlined the extent of the Eagle mineralized zone.

During 1993, a larger grid was established utilizing the 1980 baseline (Figues 16 and 17). Station 5000N, 5000E was established at 1980 grid station 30+00SW, 30+00NW with pickets placed every 50 metres on the baseline trending 320° and crosslines run every 100 metres. A total of 151 samples were taken on the expanded Eagle grid outside of the 1980 coverage. Samples were taken at 50 metre intervals on 100 metre line spacing. Thresholds based on the 5th, 16th, 50th, 84th and 95th percentiles were used to delineate anomalous areas for copper (Table 9.1.1). Gold values, with the exception of three samples, were all below the gold detection limit of 5 ppb.

TABLE 9.1.1
EAGLE SOIL GEOCHEMICAL THRESHOLD LEVELS

PERCENTILE	COPPER (ppm)	GOLD (ppb)	RATING
5th	11	*	
16th	17	*	
50th	47	*	
84th	187	*	Anomalous
95th	607	*	Strongly Anomalous

Two trends of anomalous copper values are apparent from the 1993 sampling: 1) a linear trend paralleling the creek showings to the northwest corner of the grid of higher copper values and elevated cobalt values (>30 ppm); and 2) a restricted area on lines 5600N and 5700N at approximately 5250E. The first anomalous trend is readily explained by mineralization found to date whereas the source of the second anomaly, which is accompanied by a wider area of >150 ppm zinc and slightly elevated lead and lanthanum values, has not been determined. A spot copper (540 ppm), cobalt (92 ppm), lead (730 ppm) and zinc (702 ppm) high occurs at 5900N, 4950E; magnetite-pyite skarn mineralization underlies this area.

The sampling showed that the limits of the copper-cobalt anomaly associated with the Eagle zone is confined to the 1980 grid. The low copper content of the chaotic breccia exposed in the southwest part of the grid is shown by the soil sampling. Other patterns which appear to be lithologically controlled are the

elevated lanthanum, lead and zinc values in Unit Fph and the higher barium results in areas underlain by Unit Fsto. Gold values are low throughout with only three samples containing values greater than the detection limit. Copper values correlate with cobalt, nickel, phosphorous, zinc and lanthanum.

9.2 Ewe

The 2400 metre long, 120° trending Ewe grid baseline was established along the Slab group claim line. A total of 107 samples were taken on the Ewe grid at 50 metre spacing, on 400 metre line separations (Figure 12, 13). Thresholds based on 5th, 16th, 50th, 84th and 95th percentile were used to determine anomalous areas for copper.

TABLE 9.2.1
EWE SOIL GEOCHEMICAL THRESHOLD LEVELS

PERCENTILE	COPPER (ppm)	GOLD (ppb)	RATING
5th	46	*	
16th	62	*	
50th	111	*	weakly anomalous
84th	193	*	anomalous
95th	404	*	strongly anomalous

Gold results for the Ewe grid are uniformly low and only two samples are in excess of 20 ppb gold. Copper results range up to 826 ppm with the strongest anomalies lying at the east end of the grid. Anomalous copper in soils coincides with the mineralized samples 545501 and 545502, located in the central portion of the grid. Anomalous copper results on lines 4600E to 5000E span approximately 600 metres from the baseline north, in an area where no mineralization was noted. Surprisingly, mineralization from the Ewe showing does not have a strong geochemical signature. Closer spaced grid lines and extension of the grid to the east will be required to define the full extent of the copper anomaly.

9.3 Plume

The soil geochemical survey for the Plume area was conducted on reconnaissance grid lines 300-400 metres apart in the southeast part of the grid area and as a single contour line in steeper terrain to the northwest (Figures 14 and 15). The baseline on the grid area followed the claim line which is oriented approximately 115°-295°. A total of 136 samples were taken at 50 metre intervals. Thresholds based on the 5th, 16th, 50th, 84th and 95th percentiles, as calculated from log normal cumulative frequency plots, were used to delineate anomalous areas for copper (Table 9.3.1). Gold values, with the exception of six samples, were all below the gold detection limit of 5 ppb.

TABLE 9.3.1
PLUME SOIL GEOCHEMICAL THRESHOLD LEVELS

PERCENTILE	COPPER (ppm)	GOLD (ppb)	RATING
5th	19	*	
16th	26	*	
50th	51	*	
84th	114	*	Anomalous
95th	157	*	Strongly Anomalous

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

The anomalous copper soil geochemistry on the north half of the grid and at the start of the contour soil line reflects copper mineralization found in these areas. Although no copper occurrences have been found to explain those anomalies south of the grid baseline, diorite outcrops are in close proximity. This association is common throughout the Bonnet Plume corridor. Lead, barium and lanthanum values are low in both survey areas. Zinc values, while low in the grid, are elevated (>200 ppm) for a number of sample stations on the contour soil lines. Rock samples 545104, 545105 and 545110, taken upslope from the contour line, all contained >2000 ppm zinc. Cobalt values are <30 ppm throughout the grid whereas five contour sample results exceed this level. Copper values correlate with cobalt, nickel, phosphorous, zinc and lanthanum.

The single silt sample, SD003, returned slightly elevated copper (106 ppm) and zinc (186 ppm) values.

10.0 GEOPHYSICAL SURVEYS

10.1 Eagle

Induced polarization (IP) and magnetometer surveys were conducted on the Eagle grid by Scott Geophysics Ltd. to test the response of the Eagle zone. The IP survey, utilizing a pole dipole array with an "a" spacing of 25 metres and "n" separations of 1 to 5, was used on lines 4900N, 5100N, 5300N and 5500N. Magnetometer readings were taken at 12.5 metre intervals on these lines and the intervening cross lines. Survey results and figures are appended.

The strongest chargeability response of the Eagle Zone mineralization was found on line 5100N. This result is expected as surface mapping and 1980 drilling results have shown the zone to be strongest at this point. Weaker chargeabilty effects of the zone can be found on lines 4900N and 5300N. No response was indicated on line 5500N which supports the lack of surface

mineralization or anomalous soil geochemical results in this area. Lower resistivity values accompany the higher chargeability. The disseminated sulphide mineralization discovered on the west bank of the creek at 5500n, 4700E is marked by a weak, shallow IP anomaly. The strongest chargeability response, with corresponding low resistivity, was found on the eastern end of line 4900N. This response reflects pyritic black shale mapped in this area. The lithologies west of the southern tributary of Eagle Creek are marked by higher resistivity suggesting a structural break along the creek.

The outstanding feature of the magnetometer survey is the strong magnetic highs of several thousand gammas associated with the magnetite-bearing diorite mapped west of the baseline. The magnetic response of the Eagle mineralization and the balance of the lithologies is negligible.

10.2 Slab Mountain

Induced polarization (IP) and magnetometer surveys were also conducted on the northwest side of Slab Mountain by Scott Geophysics Ltd. to test for northwest extensions of the Slab Mountain mineralized zone. The IP survey, utilized a pole dipole array with an "a" spacing of 75 metres and "n" separations of 1 to 4. Magnetometer readings were taken at 12.5 metre intervals. Survey results and figures are appended.

Pseudo-sections of chargeability indicate very strong chargeability highs of greater than 30mV/V, at 225 metres on line 1, and 375 metres on line 2. Resistivity lows in the order of 1000 ohm-m are coincident with the high chargeability. The most plausible cause of the IP response is the mineralized biotite hornfels zone, which if projected coincides with the IP anomalies. Magnetometer profiles on both lines are very similar. Magnetometer highs at the south ends of the lines may coincide with a breccia-hornfels contact, whereas the northern anomalies coincide with the strike projection of a fault contact between Fst and Fph units.

11.0 CONCLUSIONS AND RECOMMENDATIONS

11.1 Eagle

The 1993 field program was designed to test the extent and controls on the Eagle mineralization by way of soil geochemistry, ground geophysics and geological mapping. In addition, a drill hole from a previous program was sampled throughout its entire length.

The Eagle zone is a wide zone of disseminated and fracture-controlled mineralization cored by erratically distributed massive lenses and narrow quartz-carbonate veins/stockwork of massive

chalcopyrite, cobaltite, pyrrhotite, pyrite and skutterudite(?). The mineralization is hosted in clastic, carbonate-rich hornfelsed sediments with quartz, biotite, garnet and cordierite development. The near vertical zone strikes northwesterly over an exposed strike length of 600 metres. Sampling of drill hole E-3-80 indicates the main zone, as defined by >1% chalcopyrite, is approximately 35 metres wide and consecutive samples with copper values containing >500 ppm persist over an overall core length of 70 metres. Gold values are low throughout except for isolated weakly elevated values. Although cobalt values range up to 1085 ppm, most of the core samples within the main zone contain <300 ppm cobalt. Surface sampling indicates that higher gold values, up to 1200 ppb, may be obtained from higher grade cobaltite mineralization. Geological mapping, soil geochemistry and ground geophysics indicate that the Eagle mineralization is closed off to the north while its southern extent remains open.

Disseminated and fracture-controlled chalcopyrite mineralization was discovered in weakly altered and metamorphosed calcareous interbedded, biotite-bearing sandstone and siltstone units paralleling the creek on the west side of the grid. Anomalous copper soil geochemistry is coincident with this mineralization and a weak chargeability anomaly on L5500N showed the presence of the zone. Cobalt and gold values for this style of mineralization are low.

The controls on the disseminated copper mineralization seem to be two fold: (1) presence of diorite intrusives, in that there is a spatial relationship between the copper mineralization and outcroppings of the diorite; and, (2) the grain size of host rock. The disseminated copper mineralization seems to be preferentially hosted in both coarse-grained clastic horizons and in the coarse-grained granoblastic hornfels units.

The Eagle cobalt mineralizing event, accompanied by further copper enrichment, appears to be a later event related to the emplacement of the unique sulphide-bearing heterolithic breccia intersected in the core of the Eagle zone in hole E-3-80. This breccia is later than the chaotic breccia which it crosscuts in Eagle Creek, and which in turn superceded metamorphism. The presence of unmineralized porphyroblastic fragments within the chaotic breccia and intersections of unmineralized hornfels in hole E-3-80 indicate that the metamorphic event preceded copper mineralization. As stated above, there is a closer relationship between grain size of the host rock and mineralization whether this grain size is metamorphic or depositionally derived. No metamorphic gradient of the hornfels was shown to be related to the diorite in the field mapping or in hole E-3-80. This observation is consistent with the lack of extensive metamorphic aureoles around other diorite bodies in the Wernecke Mountains. Therefore, an earlier heat source is necessary to explain the metamorphism found in the Eagle grid rocks.

Limited follow-up work is recommended on the Eagle prospect until other targets in the project area have been tested and prioritized; the zone has been adequately defined by soil geochemical, geophysical and mapping methods and the 1980 drilling has shown the scope and grade of the mineralization. The source of the copper soil geochemistry in the northeast part of the grid should be found and the trace of the Eagle Zone south of Eagle Creek should be mapped and sampled to determine the full extent of the mineralization and if metal values increase in this direction to warrant further investigation of the Eagle trend.

11.2 Slab Mountain

Mineralization on the Slab property exists in two primary areas, Slab Mountain and Slab Ridge. The main host to mineralization at Slab Mountain is the biotite hornfels zone. This zone has a major structural component by way of strong schistosity and a persistent fracture/joint set, which persists outside of the hornfels zone. The combination of a brittle host and the persistent fracture set appear to form a favourable host to chalcopyrite mineralization. The other style of mineralization on Slab Mountain is controlled by bedding within Fairchild Lake Group sediments. Chalcopyrite mineralization is associated with albite-quartz-muscovite alteration that preferentially replaces carbonate-rich beds. Mineralization at Slab Mountain is concentrated in the structurally prepared biotite hornfels and in the Fairchild Lake Group sediments, primarily where they intersect the biotite hornfels and associated fracture zone. The source of this mineralization is not clear, however, intense albite alteration, molybdenite mineralization, biotite hornfels and a possible cordierite contact metamorphic halo suggest the existence of an underlying (felsic alkaline?) intrusive source. Mineralization on the north side of Slab Ridge is of three types: 1) replacement style and fracture-stockwork controlled chalcopyrite in association with albite-quartz-muscovite alteration; 2) chalcopyrite hosted in heterolithic breccias; 3) disseminated chalcopyrite, bornite and possible chalcocite in weakly altered sediments. The first two styles of mineralization appear to be of limited potential because of the discontinuous nature of the mineralization. The third style of mineralization is intriguing because of its subtle appearance, and yet impressive copper and gold grades.

The 1994 program should include evaluation of known mineralized zones by diamond drilling and surface exploration of the northwest extension of Slab Mountain and the north side of Slab Ridge. Drilling should be directed at intersecting the Slab Mountain mineralization in at least three points along strike. If logistically feasible, holes should be collared on the south side of the zone and drilled towards the north. If, because of difficulty in building drill platforms, the holes are drilled from the north side and directed south, the holes will be considerably longer and will intersect the main zone at a more acute angle. A

first phase drill program will likely consist of 3 holes with a total meterage of 1500 metres, however, this will be largely dependent on the availability of suitable drill sites. Surface work should include the establishment of a grid to the northwest of Slab Mountain including the reconnaissance IP lines and extending well beyond them. The grid should be soil sampled and surveyed with both IP and magnetometer. Work on the Slab Ridge area should include a small grid covering the sediment-hosted copper mineralization. Work on the grid should include soil sampling, detailed talus sampling and mapping.

11.3 Ewe

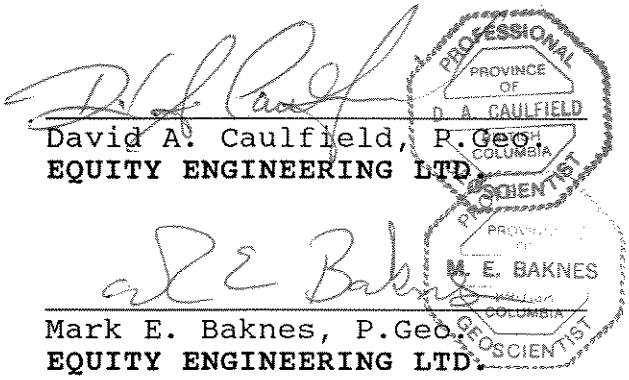
Mineralization on the Ewe property consists of chalcopyrite in quartz veins and stockwork, and in zones of quartz-albite alteration of cherty argillite. This latter style of mineralization may be analogous to the mineralization on the Slab property. Soil geochemistry defines a large area of highly anomalous copper at the east end of the grid. Work on the Ewe claims should include follow up and mapping of anomalous areas and the extension of the grid to the east of the Ewe showing.

11.4 Plume

The reconnaissance mapping, soil sampling and prospecting on the Plume property did not reveal any areas of concentrated base and precious metals values. A number of minor copper occurrences were discovered which adequately explain most of the copper soil geochemistry encountered. The mineralization is of a sedimentary copper type with disseminated chalcopyrite and associated veining hosted by quartzite, calcareous sandstone and hornfels units. This style of mineralization is also found in the Eagle and Slab areas.

Exploration coverage of the Plume property is adequate at this time and no further work is recommended.

Respectfully submitted,



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

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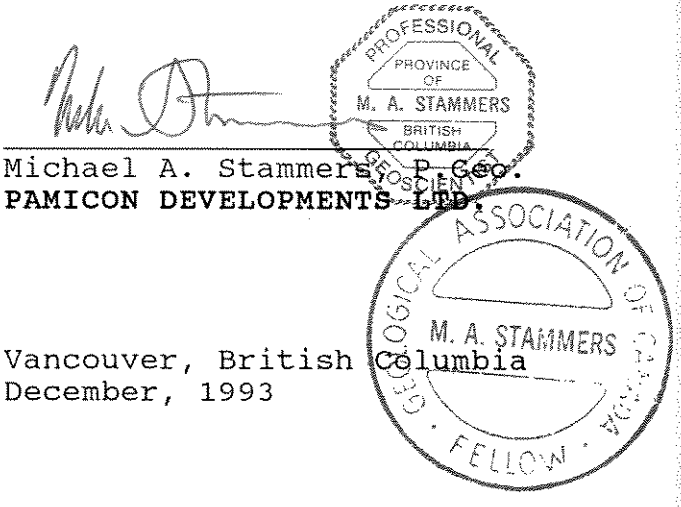

Michael A. Stammers, P.Geo.
PAMICON DEVELOPMENTS LTD.

Vancouver, British Columbia
December, 1993

APPENDIX A

BIBLIOGRAPHY

BIBLIOGRAPHY

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Stammers, M.A. (1992): 1992 Geochemical Report on the Slab 1-84 Claims; Report submitted for assessment credits.

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

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

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

APPENDIX B

LIST OF PERSONNEL

LIST OF PERSONNEL

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

APPENDIX C

STATEMENT OF EXPENDITURES

STATEMENT OF EXPENDITURES
SLAB 1- 208 MINERAL CLAIMS

CANADA) In the matter of an evaluation program on the
) Slab 1-208 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 orthophoto mapping, linecutting, prospecting, geological mapping and sampling, and geochemical and geophysical survey work was carried out on the Slab 1-208 Mineral Claims during the period June 12 to 27, 1993.

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

PROFESSIONAL FEES AND WAGES:

David Caulfield, P. Geo.		
8.0 days @ $375/day	$ 3,000.00	
Mike Stammers, P. Geo.		
5.0 days @ $375/day	1,875.00	
Mark Baknes, P. Geo.		
5.5 days @ $200/day	1,100.00	
Barry Girling, Prospector		
9.0 days @ $250/day	2,250.00	
Tom Bell, Prospector		
6.0 days @ $250/day	1,500.00	
B. McCall, Sampler		
7.0 days @ $200/day	1,400.00	
Murray Jones, P. Geo.		
4.5 days @ $300/day	1,350.00	
Shaun Dykes, P. Geo.		
11.0 days @ $300/day	3,300.00	
Harlan Meade, P. Geo.		
1.0 days @ $375/day	375.00	
Prorated Wages	9,963.53	$ 26,113.53

EXPENSES:

Helicopter:	Direct	$ 15,540.00	
	Prorated	3,393.00	
	Fuel	3,363.66	
Fixed Wing		8,217.11	
Travel, Accommodation		2,738.79	
Airfare		621.34	
Camp Food		2,697.05	
Camp Fuel		99.86	
Camp Rental		2,564.25	
Rentals:	Radios	395.90	
	Equipment	321.75	

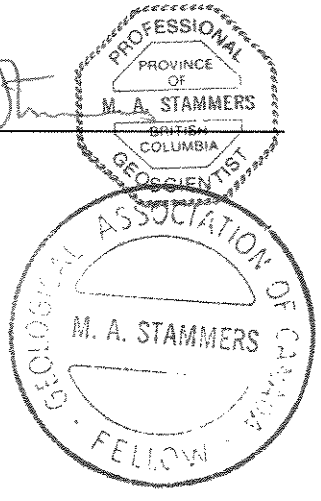
	Truck	876.26	
Field Supplies		1,089.34	
Freight		85.82	
Telephone		454.62	
Assays		9,826.39	
Geophysical		7,322.84	
Orthophotos		5,079.20	
Reproductions		393.24	
Report:	Pamicon & Equity	14,387.49	
	Westmin	8,259.42	
Management Fees		10,042.52	$ 97,769.85
TOTAL:			$ 123,883.38

Notes:

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

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

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



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

APPENDIX D

ROCK SAMPLE DESCRIPTIONS

MINERALS AND ALTERATION TYPES

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

ALTERATION INTENSITIES

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

EQUITY ENGINEERING LTD. ROCK SAMPLE DESCRIPTIONS

Property : Slab NTS : 106C/13, E/1, F/3, F/4 Date : December, 1993

Sample No.						Au	Ag	Co	Cu	Pb	Zn
	Grid Co-or.	52 +20N	Type : Float	Alteration :	None	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
		38 +00E	Strike Length Exp. : m	Metallics :	1%CP						
545501	Elevation:	2400 ft	Sample Width : m	Secondaries:	mAZ, mMC	75.	26.0	52.	1.55%	4.	78.
	Orientation:	/	True Width : m	Host :							

Comments : Rusty orange-pink weathering. Minor light grey quartz stringers cross cutting.

Sample No.						Au	Ag	Co	Cu	Pb	Zn
	Grid Co-or.	56 +00N	Type : Select	Alteration :	mCB	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
		39 +00E	Strike Length Exp. : 4 m	Metallics :	5%CP, 1%PY						
545502	Elevation:	3000 ft	Sample Width : 12 cm	Secondaries:	wAZ, sMC	95.	28.4	42.	1.38%	14.	106.
	Orientation:	/	True Width : 2+ m	Host :	Cherty sediment with quartz matrix near diorite?						

Comments : Underlying carbonate alteration or dolomite zone. Lots of pyrite, also quartz/quartzite in large area with chalcopyrite.

Sample No.						Au	Ag	Co	Cu	Pb	Zn
	UTM :	N	Type : Select	Alteration :	CA, CL, QZ	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
		E	Strike Length Exp. : 1.0 m	Metallics :	trCP, <1%PY						
545614	Elevation:	3000 ft	Sample Width : 20 cm	Secondaries:	JA, MC	<5	<0.2	50.	467.	<2	110.
	Veining	: 145 / 62 NE	True Width : m	Host :	Dark green hornfels						

Comments : Very localized mineralization in hornfels adjacent to calcite-quartz vein that pinches to the NW.

Sample No.						Au	Ag	Co	Cu	Pb	Zn
	UTM :	N	Type : Float(talus)	Alteration :	sCL, wRC	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
		E	Strike Length Exp. : m	Metallics :	None						
545615	Elevation:	2880 ft	Sample Width : m	Secondaries:	m?CC, trMC, m?NE	<5	<0.2	139.	2020.	12.	102.
	Orientation:	/	True Width : m	Host :	Quartzite?						

Comments : Black sooty coatings (CC? neotocite?) occur on fractures. No other copper sulphides seen. Sample located in brush covered talus fan.

Sample No.						Au	Ag	Co	Cu	Pb	Zn
	Grid Co-or.	58 +40N	Type : Float	Alteration :	None	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
		45 +20E	Strike Length Exp. : m	Metallics :	1%CP						
545617	Elevation:	4300 ft	Sample Width : m	Secondaries:	wAZ, CC, mMC, mNE	150.	3.6	130.	3.32%	<2	146.
	Orientation:	/	True Width : m	Host :	Dolomitic, buff coloured sandstone						

Comments : Fine to coarse-grained chalcopyrite is disseminated along bedding planes and on fracture surfaces. Outcrop of light limey siltstone adjacent to sample site. Breccia and minor BIF in talus pile.

Sample No.						Au	Ag	Co	Cu	Pb	Zn
	Grid Co-or.	58 +75N	Type : Float	Alteration :	sCB, sCL	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
		45 +50E	Strike Length Exp. : m	Metallics :	1%CP, 1%HS						
545618	Elevation:		Sample Width : m	Secondaries:	wMC, wNE	175.	<0.2	38.	7120.	<2	36.
	Orientation:	/	True Width : m	Host :	Hetrolithic Breccia						

Comments : Subcrop sample from two boulders approximately 0.5m in diameter. Sample is from better mineralization in area.

Sample No.						Au	Ag	Co	Cu	Pb	Zn
	Grid Co-or.	50 +40N	Type : Grab	Alteration :	sCB, sCL, wQZ, sAB	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
		45 +45E	Strike Length Exp. : 20 m	Metallics :	<0.5%CP						
545619	Elevation:	4375 ft	Sample Width : 10 m	Secondaries:	wMC, wNE	140.	<0.2	28.	2670.	<2	22.
	Jointing	: 050 / ?	True Width : 10 m	Host :	Albitized, brecciated siltstone						

Comments : Sample chips taken every 1/2 metre from outcrop or subcrop.

Sample No.						Au	Ag	Co	Cu	Pb	Zn
	UTM :	N	Type : Grab	Alteration :	mCB, sCL	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
		E	Strike Length Exp. : 1.0 m	Metallics :	<1%CP, <1%HS						
545620	Elevation:		Sample Width : 90 cm	Secondaries:	wMC	<5	<0.2	24.	1170.	<2	22.
	Bedding	: 148 / 26 NE	True Width : 90 cm	Host :	Hornfelsed siltstone						

Comments : Chalcopyrite disseminated along bedding planes and Fe-carbonate filled fractures. Sample was taken across best mineralized area. Malachite staining over 5.0m of unit.

Sample No.						Au	Ag	Co	Cu	Pb	Zn
	UTM :	N	Type : Float	Alteration :	vsCB, vsCL, wQZ	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
		E	Strike Length Exp. : 20 m	Metallics :	3%MG, 2%PY						
545621	Elevation:	4350 ft	Sample Width : m	Secondaries:	None	<5	<0.2	54.	18.	12.	50.
	Orientation:	160 / 80 E	True Width : m	Host :	Fe-carbonate skarn zone						

Comments : Composite of subcrop. Zone is approximately 5.0m wide and pinches out up hill.

Sample No.						Au	Ag	Co	Cu	Pb	Zn
	Grid Co-or.	57 +65N	Type : Float	Alteration :	wCB, ?AB	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
		47 +60E	Strike Length Exp. : m	Metallics :	1-2%CP, <1%PY						
545627	Elevation:	3925 ft	Sample Width : m	Secondaries:	wGE, mMC	20.	<0.2	46.	5680.	<2	<2
	Orientation:	/	True Width : m	Host :	Biotite sandstone						

Comments : Mineralized talus is fairly abundant indicating close proximity to source. Chalcopyrite +/- pyrite occurs as disseminated and Fe-carbonate fracture controlled mineralization.

Sample No.						Au	Ag	Co	Cu	Pb	Zn
	Grid Co-or.	52 +60N	Type : Float	Alteration :	wCB	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
		48 +50E	Strike Length Exp. : m	Metallics :	1%CP						
545628	Elevation:	3375 ft	Sample Width : m	Secondaries:	mMC	<5	<0.2	10.	1815.	6.	<2
	Orientation:	/	True Width : m	Host :	Spotted porphyroblastic hornfels/marble						

Comments : Talus scree. Malachite on internal fractures. Disseminated chalcopyrite. Host unit a banded white (marblized) and green metasediment.

Sample No.						Au	Ag	Co	Cu	Pb	Zn
	Grid Co-or.	53 +30N	Type : Grab	Alteration :	CL, mSI, sAB, wDI	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
		50+10E	Strike Length Exp. : 40 m	Metallics :	<1%CP, 5%MG, 1%PY,						
545629	Elevation:	3700 ft	Sample Width : 4.0 m	Secondaries:	wMC, wNE	<5	<0.2	45.	762.	<2	14.
	Bedding	: 010 / 80 W	True Width : 4.0 m	Host :	Crackled, brecciated albitized hornfels						

Comments : Well altered and fractured metasediments on east side of diorite body. Best copper mineralization is in marblized horizons.

Sample No.	Grid Co-or.	Type	Alteration		Au	Ag	Co	Cu	Pb	Zn
	52 +95N	Grab	sCB, mSI, sAB		(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
	49 +80E	Strike Length Exp. : 40 m	Metallics :	1%CP, 2%MG, <1%PY						
545630	Elevation: 3640 ft	Sample Width : 10 m	Secondaries:	wJA, sMC, sNE	<5	<0.2	56.	3300.	4.	12.
	Bedding/vei: 170 / 80 W	True Width : 10 m	Host :	Albitized hornfels						

Comments : Control sample from west side of outcrop.

Sample No.	Grid Co-or.	Type	Alteration		Au	Ag	Co	Cu	Pb	Zn
	53 +05N	Grab	mCB, mSI, sAB		(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
	50 +10E	Strike Length Exp. : 40 m	Metallics :	1%CP, 2%MG, <1%PY						
545631	Elevation: 3650 ft	Sample Width : 13 m	Secondaries:	trAZ, mJA, sMC, sNE	25.	7.6	107.	2110.	188.	100.
	Bedding/Joi: 145 / V ?	True Width : 10 m	Host :	Ablitized hornfels						

Comments : Control grab sample testing east side of outcrop from 54530.

Sample No.	Grid Co-or.	Type	Alteration		Au	Ag	Co	Cu	Pb	Zn
	103+00N	Grab	wCA		(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
	89 +50E	Strike Length Exp. : 120 m	Metallics :	trCP						
545701	Elevation: 900 m	Sample Width : 1 m	Secondaries:	None	10.	0.4	19.	2300.	<2	16.
	Bedding : 050 / 45 NW	True Width : 1 m	Host :	Quartzite						

Comments : Disseminated chalcopyrite within quartzite. Thickness unknown as cut off by topography, moderate copper staining.

Sample No.	UTM :	Type	Alteration		Au	Ag	Co	Cu	Pb	Zn
	N	Grab	mCA, mCY		(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
	E	Strike Length Exp. : 10 m	Metallics :	trCP, 1%PY						
545702	Elevation: 920 m	Sample Width : 1 m	Secondaries:	None	<5	1.4	24.	485.	14.	50.
	Orientation: 120 / 35 NE	True Width : 1 m	Host :	Intersediment contact zone (regolith?)						

Comments : Pods and or lenses of pyrite-gossan in contact between two metasediments, contact varies 1-5m thick, appears to be regolith material, soft with occasional angular fragments, parallel to bedding.

Sample No.	Grid Co-or.	Type	Alteration		Au	Ag	Co	Cu	Pb	Zn
	51 +30N	Grab	CB, CY		(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
	48 +25E	Strike Length Exp. : 10 m	Metallics :	1%CP, trPY						
545703	Elevation: 980 m	Sample Width : 2 m	Secondaries:	trCC	120.	0.4	34.	220.	<2	<2
	Bedding : 140 / 38 NE	True Width : 1.8 m	Host :	Meta-siltstone						

Comments : Copper in bedded metasiltstone cut by fractures at 065/75/NE - enriches zone. Trace disseminated chalcopyrite along strike.

Sample No.	Grid Co-or.	Type	Alteration		Au	Ag	Co	Cu	Pb	Zn
	50 +50N	Grab	CA, CY		(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
	49 +80E	Strike Length Exp. : 25 m	Metallics :	1%CP, trMG						
545704	Elevation:	Sample Width : 4 m	Secondaries:	0.5%ER	20.	0.6	1200.	1645.	24.	4.
	Bedding : 320 / 80 SE	True Width : 3.7 m	Host :	Hornfels meta-siltstone						

Comments : Copper and cobalt stains are patchy throughout outcrop with chalcopyrite trending to the SW side and cobalt to the NE.

Sample No.	Grid Co-or.		Type :		Alteration :		Au	Ag	Co	Cu	Pb	Zn
	48 +00N		Strike Length Exp. :	50 m	Metallics :	0.2%CP, 0.1%PY	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
545705	Elevation:		Sample Width :	2.5 m	Secondaries:	None	<5	<0.2	25.	1945.	<2	20.
	51 +00E		True Width :	2.5 m	Host :	Biotite-garnet meta-sandstone						
	Bedding :	130 / 38 NE										

Comments : Meta-sandstone with disseminated chalcopyrite and pyrite, mainly chalcopyrite on the hangingwall contact to copper-cobalt showing in Eagle Creek.

Sample No.	Grid Co-or.		Type :		Alteration :		Au	Ag	Co	Cu	Pb	Zn
	48 +00N		Strike Length Exp. :	50 m	Metallics :	0.3%CP, trPO, 0.3%PY,trCO	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
545706	Elevation:		Sample Width :	18 m	Secondaries:	trAZ, trER, mMC, wMN	15.	0.8	394.	<1	6.	52.
	51 +00E		True Width :	13 m	Host :	Biotite-garnet meta-argillite						
	Bedding :	130 / 38 NE										

Comments : Mineralized zone with disseminated chalcopyrite, patches and irregular lenses of pyrite and chalcopyrite on fractures.

Sample No.	Grid Co-or.		Type :		Alteration :		Au	Ag	Co	Cu	Pb	Zn
	48 +00N		Strike Length Exp. :	2 m	Metallics :	3%CP, 5%PO, 5%PY	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
545707	Elevation:		Sample Width :	0.8 m	Secondaries:	trMC	15.	<0.2	10000.	919.	<2	80.
	51 +00E		True Width :	0.8 m	Host :	Biotite-garnet meta-argillite						
	Bedding :	130 / 38 NE										

Comments : Small semi-massive sulphide lens on upper contact; lens appears to have SE plunge.

Sample No.	Grid Co-or.		Type :		Alteration :		Au	Ag	Co	Cu	Pb	Zn
	48 +00N		Strike Length Exp. :	10 m	Metallics :	7%CP, 1%PY	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
545708	Elevation:		Sample Width :	1 m	Secondaries:	wMC	15.	11.4	73.	7.30%	<2	120.
	51 +00E		True Width :	0.5 m	Host :	Biotite-garnet meta-argillite						
	Bedding :	130 / 38 NE										

Comments : Lower contact zone with irregular blebs and patches of chalcopyrite.

Sample No.	UTM :		Type :		Alteration :		Au	Ag	Co	Cu	Pb	Zn
		N	Strike Length Exp. :	30 m	Metallics :	tr-1%CP, 1-3%MG, 2%MO	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
545801	Elevation:	1270 m	Sample Width :	10 m	Secondaries:	wMC	20.	0.4	14.	330.	<2	10.
		E										
	Veining? :	145 / 80 NE	True Width :	m	Host :	Albite-chlorite-sericitic altered metasediments						

Comments : See Mark's notes-MB-06 albite-chlorite-sericite zone, parallel foliation - possible zoning out - chalcopyrite-magnetite-epidote? Exposed in cliff face. Chalcopyrite in bleb occurrences.

Sample No.	UTM :		Type :		Alteration :		Au	Ag	Co	Cu	Pb	Zn
		N	Strike Length Exp. :	>30 m	Metallics :	None	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
545802	Elevation:	970 m	Sample Width :	10 m	Secondaries:	None	<5	1.6	36.	1900.	<2	12.
		E										
	Bedding :	010 / 90	True Width :	m	Host :	Amygdaloidal volcanic flow?						

Comments : Flow is in immediate contact with breccia zone at flow top.

Sample No.	UTM :		Type :		Alteration :		Au	Ag	Co	Cu	Pb	Zn
		N					(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
		E	Strike Length Exp. :		Metallics :							
545803	Elevation: 800 m		Sample Width :	m	Secondaries:	mMC	245.	<0.2	89.	4290.	<2	10.
	Orientation: 020 / 70 W		True Width :	m	Host :	Gabbro/cg-volcanic flow, xenoliths (volcanic)						

Comments : Amygdaloidal, volcanic clasts rounded, occasionally vesicular, - rock is magnetic, columnar jointed?

Sample No.	UTM :		Type :		Alteration :		Au	Ag	Co	Cu	Pb	Zn
		N					(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
		E	Strike Length Exp. :	30 m	Metallics :							
545804	Elevation: 1615 m		Sample Width :	10 m	Secondaries:	sMC, mMN	30.	0.6	84.	2.78%	<2	<2
	Bedding : 175 / 75 W		True Width :	m	Host :	Albitized(?) sediment (siltstone argillite)						

Comments : Chalcopyrite in vugs along fractures, hosted in black vitreous material - brannerite, quartz also associated. Malachite is very strong.

Sample No.	UTM :		Type :		Alteration :		Au	Ag	Co	Cu	Pb	Zn
		N					(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
		E	Strike Length Exp. :	3 m	Metallics :							
545805	Elevation: 1605 m		Sample Width :	3 m	Secondaries:	mMC	75.	<0.2	24.	2300.	<2	4.
	Orientation: /		True Width :	2.5 m	Host :	Brecciated sediments - chaotic breccia						

Comments : Small zone - possibly 5m wide in cliff face. Outcrop is spire in talus run.

Sample No.	UTM :		Type :		Alteration :		Au	Ag	Co	Cu	Pb	Zn
		N					(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
		E	Strike Length Exp. :	60 m	Metallics :							
545806	Elevation: 1570 m		Sample Width :	1.8 m	Secondaries:	mMC	170.	<0.2	32.	7320.	<2	<2
	Jointing : 160 / ?		True Width :	1.8 m	Host :	Biotite hornfels sediments - Fairchild						

Comments : Copper in lenses, along foliation planes in sediment. Not brecciated. Close to shattered zone - KF-AB? Zone at MJ-7 station.

Sample No.	UTM :		Type :		Alteration :		Au	Ag	Co	Cu	Pb	Zn
		N					(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
		E	Strike Length Exp. :	<5 m	Metallics :							
545807	Elevation: 1570 m		Sample Width :	4 m	Secondaries:	sMC	320.	<0.2	34.	5890.	<2	<2
	Orientation: /		True Width :	4 m	Host :	Altered/mineralized sediment in chaotic breccia						

Comments : Biotite hornfels block is well mineralized. Chalcopyrite along foliation planes, in fractures - generally fine-grained.

Sample No.	UTM :		Type :		Alteration :		Au	Ag	Co	Cu	Pb	Zn
		N					(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
		E	Strike Length Exp. :	>30 m	Metallics :							
545808	Elevation: 1567 m		Sample Width :	4 m	Secondaries:	wMC	385.	<0.2	25.	5530.	<2	<2
	Faulting? : 310 /		True Width :	4 m	Host :	Sediments/chaotic breccia						

Comments : Rubbly-looking rocks - possible zone extending into pinnacle outcrop - striking roughly to malachite stain distribution. Fracture controlled mineralization.

Sample No.						Au	Ag	Co	Cu	Pb	Zn
	UTM :	N	Type : Float(talus)	Alteration :	wKF, sAB	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
		E	Strike Length Exp. : m	Metallics :	1-3%CP						
545809	Elevation: 1400 m		Sample Width : m	Secondaries:	wAZ, wMC	170.	<0.2	50.	5390.	<2	<2
	Orientation: /		True Width : m	Host :	Chaotic breccia						

Comments : Talus concentration - local?

Sample No.						Au	Ag	Co	Cu	Pb	Zn
	UTM :	N	Type : Chip	Alteration :	wKF, wSI, wAB	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
		E	Strike Length Exp. : >100 m	Metallics :	tr-3%CP						
545810	Elevation: 830 m		Sample Width : 2.5 m	Secondaries:	mMC, mMN?	30.	<0.2	121.	1465.	<2	16.
	Vein-fault : 110 / 90		True Width : 2.5 m	Host :	Hornfels sediments - siltstone calcareous sediments						

Comments : Shear/fractue zone associated with limey bedding in hornfels sediments - most copper in quartz vein/flood zone with sericite - albite? Note: covers 1992 sample 548027.

Sample No.						Au	Ag	Co	Cu	Pb	Zn
	UTM :	N	Type : Select/float	Alteration :	wBI, ?CB	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
		E	Strike Length Exp. : m	Metallics :	3%CP, tr-1%PY						
545846	Elevation: 1150 m		Sample Width : m	Secondaries:	mMC	50.	<0.2	60.	1.09%	<2	<2
	Orientation: /		True Width : m	Host :	Fe-carbonate veining in fine-grained grey sediment						

Comments : Chalcopyrite in carbonate veinlets as well as disseminated blebs in stockwork. Rock is brecciated with Fe-carbonate matrix.

Sample No.						Au	Ag	Co	Cu	Pb	Zn
	Grid Co-or. 56 +25N		Type : Chip	Alteration :	wBI, mCA	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
	47 +60E		Strike Length Exp. : 10 m	Metallics :	tr-1%CP						
545847	Elevation: 1050 m		Sample Width : 3.5 m	Secondaries:	None	5.	<0.2	8.	474.	<2	6.
	Orientation: /		True Width : 2.0 m	Host :	Interbedded marble? cherty - siltstone						

Comments : Chalcopyrite in fractures and disseminated veins. Bedding roughly parallel to hillside.

Sample No.						Au	Ag	Co	Cu	Pb	Zn
	UTM :	N	Type : Grab	Alteration :	wCL, wMS, mQZ, mAB	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
		E	Strike Length Exp. : m	Metallics :	1%CP, 1%HS						
545901	Elevation: 1470 m		Sample Width : 3 m	Secondaries:	None	30.	0.2	5.	1920.	4.	42.
	Bedding : 199 / 60 N		True Width : m	Host :	Black-grey chert-cherty argillite						

Comments : Chalcopyrite disseminated blebs within quartz and albite sericite cross-cutting 1-2cm stringers and bedding parallel (replaces carbonate) stringers in black-grey cherty argillite with carbonate interbeds. Large very local boulders, rough chip area 4m.

Sample No.						Au	Ag	Co	Cu	Pb	Zn
	UTM :	N	Type : Chip	Alteration :	wBI,wCL,wEP,wKF,sQZ, wAB	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
		E	Strike Length Exp. : 3 m	Metallics :	.7%CP, 1%HS						
545902	Elevation: 972 m		Sample Width : 3 m	Secondaries:	None	20.	<0.2	6.	2600.	4.	68.
	Orientation: /		True Width : ? m	Host :	Siliceous grey-green sediment						

Comments : Similar to 545901, but quartz alteration pervasive & stockwork also minor epidote, minor chlorite, possibly only trace of albite. Chalcopyrite in disseminated blebs, in stringers and in pervasive quartz +- chlorite, epidote.

Sample No.	UTM :		Type :	Alteration :		Au	Ag	Co	Cu	Pb	Zn
		N	Grab	wCA, wQZ		(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
		E	Strike Length Exp. : 2 m	Metallics :	+5%?BO, 1%CP						
545903	Elevation: 1630 m		Sample Width : 40 cm	Secondaries:	3%MC	455.	80.0	9.	8.34%	4.	32.
	Bedding : 145 / 63 SW		True Width : m	Host :	Pale grey siltstone						

Comments : Weakly silicified siltstone with 1-2% chalcopyrite and 2% malachite as disseminations, and possibly bornite. <50cm thick pinches out, or is faulted off.

Sample No.	UTM :		Type :	Alteration :		Au	Ag	Co	Cu	Pb	Zn
		N	Float	wCB, wQZ		(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
		E	Strike Length Exp. : m	Metallics :	None						
545904	Elevation: 1470 m		Sample Width : m	Secondaries:	2%CC?	<5	0.2	1.	268.	4.	8.
	Orientation: /		True Width : m	Host :	Pale, grey calcareous siltstone						

Comments : Typical grey calcareous, siltstone. Has 1-2mm bedding parallel stringers of quartz-Fe Carbonate-Fluorite. No malachite stain, may have up to 1-2% very fine-grained disseminated chalcocite.

Sample No.	UTM :		Type :	Alteration :		Au	Ag	Co	Cu	Pb	Zn
		N	Grab	mCL, mQZ, mAB		(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
		E	Strike Length Exp. : 10 m	Metallics :	0.5%HS						
545946	Elevation: 1390 m		Sample Width : m	Secondaries:	None	<5	<0.2	2.	6.	<2	18.
	Orientation: 043 / 45 NW		True Width : m	Host :	Chloritic albite breccia						

Comments : Breccia dyke <2m thick, green chloritic matrix with 3-25mm angular white translucent quartz-albite fragments. Looks similar to mineralized breccia at Eagle, but these are not mineralized.

Sample No.	UTM :		Type :	Alteration :		Au	Ag	Co	Cu	Pb	Zn
		N	Chip	mCB, sQZ, sCB		(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
		E	Strike Length Exp. : 5 m	Metallics :	trCP, 1%PY						
545947	Elevation: 1390 m		Sample Width : 2 m	Secondaries:	None	<5	<0.2	2.	140.	32.	46.
	Veining : 043 / 45 NW		True Width : 2 m	Host :	Green laminated cherts and chloritic breccia						

Comments : 2m or greater thick, strong quartz albite and carbonate alteration and breccia vein adjacent to above chloritic breccia. Minor pyrite to chalcopyrite. Similar material in talus seems to contain some significant chalcopyrite.

Sample No.	UTM :		Type :	Alteration :		Au	Ag	Co	Cu	Pb	Zn
		N	Float	None		(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
		E	Strike Length Exp. : m	Metallics :	1%CP, <1%HS						
546001	Elevation: 940 m		Sample Width : m	Secondaries:	mMC	65.	7.0	6.	5140.	<2	4.
	Orientation: /		True Width : m	Host :	Quartz vein						

Comments : Sample taken in area of strongly fractured Fairchild siltstone with abundant specular hematite (approx. 5%) veinlets. Noted gabbro float in area.

Sample No.	Grid Co-or. 56 +00N 48 +00E		Type :	Alteration :		Au	Ag	Co	Cu	Pb	Zn
			Chip	sSI, SAB		(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
			Strike Length Exp. : 4.0 m	Metallics :	1%CP						
546002	Elevation: 995 m		Sample Width : 1.0 m	Secondaries:	mAZ, mMC	115.	2.2	641.	1.06%	<2	<2
	Veining : /		True Width : 1.0 m	Host :	Argillite						

Comments : Similar fracture control mineralization as Slab. Heavy talus cover.

Sample No.	UTM :		Type :		Alteration :		Au	Ag	Co	Cu	Pb	Zn
		N					(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
		E	Strike Length Exp. :	300+ m	Metallics :	1%CP						
546003	Elevation: 1022 m		Sample Width :	1.0 m	Secondaries:	wMC	30.	2.0	16.	1990.	8.	14.
	Veining : /		True Width :	1.0 m	Host :	Chert in contact with black argillite						

Comments : Vein(?) is stratabound 2.0m wide, length at least several hundred metres, however, it is strongly folded. 546004 is altered wallrock of same vein.

Sample No.	UTM :		Type :		Alteration :		Au	Ag	Co	Cu	Pb	Zn
		N					(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
		E	Strike Length Exp. :	300+ m	Metallics :	trCP						
546004	Elevation: 1022 m		Sample Width :	1.0 m	Secondaries:	trMC	<5	0.2	27.	160.	4.	<2
	Orientation: /		True Width :	1.0 m	Host :	Chert in contact with dolomitic shale						

Comments : Adjoins 546003.

Sample No.	UTM :		Type :		Alteration :		Au	Ag	Co	Cu	Pb	Zn
		N					(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
		E	Strike Length Exp. :	10-20 m	Metallics :	<1%CP						
546005	Elevation: 1005 m		Sample Width :	70 cm	Secondaries:	mAZ, mGE, sMC	65.	50.0	210.	2.77%	168.	<2
	Orientation: /		True Width :	70+ cm	Host :	Bleached chert/argillite						

Comments : Mineralization at 546006 and here is very similar to Eagle and Slab.

Sample No.	UTM :		Type :		Alteration :		Au	Ag	Co	Cu	Pb	Zn
		N					(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
		E	Strike Length Exp. :	.3 m	Metallics :	2%CP						
546006	Elevation: 1005 m		Sample Width :	30 cm	Secondaries:	mAZ, mGE, sMC	2220.	100.0	230.	5.06%	82.	<2
	Orientation: /		True Width :	30+ cm	Host :	Altered argillite						

Comments : As 546005. Quartz with chalcopyrite nearby. Heterolithic breccia is also nearby.

Sample No.	UTM :		Type :		Alteration :		Au	Ag	Co	Cu	Pb	Zn
		N					(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
		E	Strike Length Exp. :	m	Metallics :	CP, HS						
546104	Elevation: 1020 m		Sample Width :	m	Secondaries:	mHE, mJA, wMC	<5	0.4	8.	96.	18.	2960.
	Orientation: /		True Width :	m	Host :	Limestone (banded and folded)						

Comments : Taken in float below outcrop. Grab from 5 or 6 rocks. Lots of this material here. Epidote crystals also seen, possible tremolite.

Sample No.	UTM :		Type :		Alteration :		Au	Ag	Co	Cu	Pb	Zn
		N					(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
		E	Strike Length Exp. :	m	Metallics :	>1%CP, 60%HS						
546105	Elevation: 1005 m		Sample Width :	m	Secondaries:	wJA	<5	<0.2	7.	128.	6.	2380.
	Orientation: /		True Width :	m	Host :	Limestone						

Comments : One rock sampled in talus below outcrop at 10,000N/6450E.

Sample No.	UTM :		Type :		Alteration :		Au	Ag	Co	Cu	Pb	Zn
		N					(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
		E	Strike Length Exp. :	m	Metallics :	>1%CP, 40-50%HS, >1%PY						
546106	Elevation: 940	m	Sample Width :	m	Secondaries:	None	<5	<0.2	40.	950.	14.	152.
	Orientation: /		True Width :	m	Host :	Sediments						

Comments : Good disseminated chalcopyrite. Taken from one rock on talus at BL 10,000N/6975E on Plume grid.

Sample No.	UTM :		Type :		Alteration :		Au	Ag	Co	Cu	Pb	Zn
		N					(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
		E	Strike Length Exp. :	m	Metallics :	5%HS, 1-2%PY						
546107	Elevation: 1070	m	Sample Width :	m	Secondaries:	None	<5	0.6	93.	4060.	4.	28.
	Orientation: /		True Width :	m	Host :	Coarse-grained limestone						

Comments : Talus below outcrop. Disseminated metallic minerals. Grab from one boulder.

Sample No.	UTM :		Type :		Alteration :		Au	Ag	Co	Cu	Pb	Zn
		N					(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
		E	Strike Length Exp. :	50-100 m	Metallics :	<1%CP, <1%PY, trHS						
546108	Elevation: 1065	m	Sample Width :	50 cm	Secondaries:	None	<5	2.8	5.	516.	132.	208.
	Bedding : 095 / 35 N		True Width :	2 m	Host :	Limestone (banded)						

Comments : Taken on limestone-siltstone contact. Ferricrete on hanging wall side.

Sample No.	UTM :		Type :		Alteration :		Au	Ag	Co	Cu	Pb	Zn
		N					(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
		E	Strike Length Exp. :	1 m	Metallics :	5-10%HS						
546109	Elevation: 1035	m	Sample Width :	10 cm	Secondaries:	None	<5	0.2	4.	22.	4.	86.
	Orientation: 100 / 20 SE		True Width :	m	Host :	Limestone - siltstone						

Comments : 25-30m south of Slab post #1, 133 & 134 plus #2 for 131 & 132 at base of cliffs in outcrop. No real zone, just carbonate altered siltstone.

Sample No.	UTM :		Type :		Alteration :		Au	Ag	Co	Cu	Pb	Zn
		N					(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
		E	Strike Length Exp. :	m	Metallics :	trPY						
546110	Elevation: 1035	m	Sample Width :	m	Secondaries:	sGE, sHE, sJA	<5	0.2	6.	34.	92.	5020.
	Orientation: /		True Width :	m	Host :	Ferricrete						

Comments : 30m south of small creek in deep gully.

Sample No.	UTM :		Type :		Alteration :		Au	Ag	Co	Cu	Pb	Zn
		N					(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
		E	Strike Length Exp. :	m	Metallics :	2-3%HS, 5%PY						
546111	Elevation: 1035	m	Sample Width :	m	Secondaries:	sGE, sHE, sJA	<5	0.6	6.	40.	14.	968.
	Orientation: /		True Width :	m	Host :	Coarse-grained limestone						

Comments : Taken fom one rock in talus below cliffs. 10m south of 546110. Stringers and blebs of pyrite.

Sample No.	Grid Co-or.		Type :		Alteration :		Au	Ag	Co	Cu	Pb	Zn
		50 +44N		Grab		sBI, sCA, wQZ						
		49 +95E	Strike Length Exp. :	m	Metallics :	trAS, 1.5%CP, 2%PY	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
546401	Elevation:		Sample Width :	0.5 m	Secondaries:	None	<5	0.8	161.	3250.	12.	34.
	Veining :	/	True Width :	m	Host :	Biotite hornfels						

Comments : Biotite hornfels

Sample No.	Grid Co-or.		Type :		Alteration :		Au	Ag	Co	Cu	Pb	Zn
		50 +28N		Grab		None						
		49 +93E	Strike Length Exp. :	m	Metallics :	1-3%AS, 10+%CO	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
546402	Elevation:		Sample Width :	m	Secondaries:	HE, wER	1200.	4.0	16.0%	1525.	28.	184.
	Orientation:	/	True Width :	m	Host :	Massive cobaltite +/- arsenopyrite and erythrite						

Comments : Massive cobaltite float/from hornfelsed siltstone.

Sample No.	Grid Co-or.		Type :		Alteration :		Au	Ag	Co	Cu	Pb	Zn
		52 +25N				sCA, wQZ						
		49 +25E	Strike Length Exp. :	10+ m	Metallics :	2%CP, 1%PY	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
546403	Elevation:	1015 m	Sample Width :	1.5 m	Secondaries:	AZ, MC	155.	0.6	288.	1.26%	<2	62.
	Veining :	115 / 65 NE	True Width :	1.5 m	Host :	Carbonate vein cutting;BI-carbonate crystalline rocks						

Comments : Quartz carbonate vein zone on contact with coarse-grained carbonate-biotite rocks with a trace of disseminated pyrite-chalcopyrite.
Large knobs of chalcopyrite (ml).

Sample No.	Grid Co-or.		Type :		Alteration :		Au	Ag	Co	Cu	Pb	Zn
		57 +00N		Grab		wSD						
		45 +50E	Strike Length Exp. :	m	Metallics :	trCP, 1%MG	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
546404	Elevation:	1290 m	Sample Width :	m	Secondaries:	None	10.	0.4	412.	240.	<2	14.
	Orientation:	/	True Width :	m	Host :	Banded carbonate hornfels						

Comments : Representative rock sample of laminated carbonate-biotite hornfels rocks.

APPENDIX E

CERTIFICATES OF ANALYSIS

Chemex Labs Ltd.

Analytical Chemists *Geochemists* *Registered Assayers*

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24-Element Geochemistry Package (24-ICP)

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

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

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

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

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Gold

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

Chemex Code: 100

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

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

Detection limit: 5 ppb

Upper Limit: 10,000 ppb

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

Project: Fairchild - Slab

Certificate Date: 15-Nov-93
Page Number: 1
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Sample Description	Au ppb	Ag ppm	Al %	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %
545501	75	26.0	7.29	40	1.0	<2	0.43	<0.5	52	129	>10000	2.75	0.08	0.17
545502	95	28.4	0.41	40	<0.5	<2	0.64	0.5	42	246	>10000	2.87	0.10	0.24
545503	<5	3.6	6.81	410	1.5	<2	2.96	<0.5	21	116	4155	7.09	2.51	1.30
545614	<5	<0.2	6.04	210	<0.5	2	5.63	<0.5	50	87	467	9.45	1.20	2.36
545615	<5	<0.2	6.58	370	<0.5	12	6.68	<0.5	139	69	2017	7.82	2.47	2.57
545617	150	3.6	7.75	120	1.0	<2	0.44	<0.5	130	81	>10000	3.52	0.96	1.16
545618	175	<0.2	5.76	1310	2.0	2	7.57	<0.5	38	88	7121	2.83	4.08	1.56
545619	140	<0.2	6.72	2330	0.5	6	5.72	<0.5	28	77	2674	1.40	5.29	1.02
545620	<5	<0.2	6.87	2960	2.0	10	5.43	<0.5	24	86	1168	2.66	3.84	1.61
545621	<5	<0.2	2.80	80	<0.5	<2	11.90	<0.5	54	42	18	4.71	0.16	4.37
545627	20	<0.2	6.07	1840	<0.5	4	4.40	<0.5	46	60	5677	2.39	4.16	1.35
545628	<5	<0.2	5.48	830	1.5	8	10.02	<0.5	10	76	1815	1.59	3.48	0.99
545629	<5	<0.2	5.92	200	1.0	4	8.06	<0.5	45	85	762	4.63	1.22	1.34
545630	<5	<0.2	6.81	190	1.0	2	4.88	0.5	56	97	3302	5.44	1.11	1.02
545631	25	7.6	7.25	530	1.5	8	2.01	0.5	107	137	2111	1.78	2.25	0.85
545701	10	0.4	9.27	370	4.5	4	2.40	<0.5	19	179	2299	2.65	1.72	1.19
545702	<5	1.4	3.15	130	0.5	<2	0.93	<0.5	24	304	485	3.32	0.44	0.15
545703	120	0.4	7.88	430	3.0	<2	5.61	0.5	34	77	220	2.64	3.36	0.39
545704	20	0.6	8.44	3130	3.0	10	2.80	2.0	1202	177	1647	2.80	4.22	0.78
545705	<5	<0.2	2.57	150	<0.5	22	22.01	<0.5	25	30	1945	3.11	1.34	0.62
545706	15	0.8	8.40	550	2.0	96	3.24	<0.5	394	141	>10000	4.73	3.76	1.12
545707	15	<0.2	0.51	40	<0.5	20	0.05	<0.5	>10000	12	919	>25.00	0.12	0.09
545708	15	11.4	5.36	80	<0.5	<2	1.40	<0.5	73	154	>10000	8.31	3.09	0.47
545801	20	0.4	7.67	140	1.0	2	2.19	<0.5	14	196	330	2.49	0.95	0.74
545802	<5	1.6	7.50	90	0.5	8	1.71	0.5	36	38	1900	6.55	1.47	2.73
545803	245	<0.2	6.51	210	1.0	<2	1.91	<0.5	89	104	4287	9.42	3.91	3.88
545804	30	0.6	8.07	3490	1.5	<2	0.17	<0.5	84	91	>10000	1.59	5.00	1.30
545805	75	<0.2	7.20	890	1.5	6	4.04	<0.5	24	122	2300	2.19	3.51	1.37
545806	170	<0.2	7.85	780	3.0	4	3.78	<0.5	32	108	7323	2.74	2.99	1.80
545807	320	<0.2	7.04	1350	2.0	4	3.49	<0.5	34	96	5889	1.80	5.12	1.42
545808	385	<0.2	7.84	930	3.0	2	1.81	<0.5	25	101	5526	2.11	3.57	1.40
545809	170	<0.2	6.90	100	2.5	6	5.15	0.5	50	89	5389	1.14	1.15	1.22
545810	30	<0.2	7.41	1020	2.0	8	3.63	<0.5	121	115	1465	2.40	3.08	1.69
545846	50	<0.2	7.34	790	<0.5	<2	4.59	<0.5	60	81	>10000	2.18	4.46	1.00
545847	5	<0.2	3.75	510	0.5	8	16.57	<0.5	8	90	474	1.25	2.30	1.11

Certification: Stuart Bichler

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Pamicon Developments Limited
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Project: Fairchild - Slab

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Sample Description	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sr ppm	Ti %	V ppm	W ppm	Zn ppm	La ppm	Cu %	Ni %	Co %
545501	1230	32	5.66	36	270	4	71	0.05	6	10	78	10	1.55		
545502	495	2	0.14	27	<10	14	13	<0.01	1	<10	106	<10	1.38		
545503	6315	1	0.60	29	690	<2	59	0.30	57	10	154	20			
545614	2295	<1	1.19	43	1020	<2	342	1.29	340	30	110	<10			
545615	1925	1	0.34	61	1020	12	897	1.18	370	20	102	<10			
545617	390	90	5.39	102	1050	<2	37	0.22	67	20	146	40	3.32		
545618	1145	4	1.18	33	940	<2	213	0.26	67	10	36	<10			
545619	1125	3	1.35	30	1060	<2	120	0.19	55	<10	22	20			
545620	1295	1	1.60	28	970	<2	322	0.31	80	<10	22	<10			
545621	8575	<1	1.51	8	590	12	87	0.02	38	10	50	<10			
545627	885	<1	2.00	47	880	<2	108	0.22	91	<10	<2	400			
545628	2870	<1	1.13	20	1320	6	156	0.16	81	<10	<2	<10			
545629	1630	<1	3.08	29	920	<2	138	0.22	78	10	14	<10			
545630	1050	<1	4.22	29	730	4	107	0.20	42	<10	12	<10			
545631	705	3	3.50	36	660	188	66	0.16	49	<10	100	30			
545701	490	<1	4.37	28	630	<2	389	0.37	53	10	16	50			
545702	340	1	1.94	15	250	14	67	0.04	4	<10	50	<10			
545703	810	6	3.46	33	890	<2	106	0.11	35	20	<2	<10			
545704	2160	8	1.39	101	770	24	194	0.31	83	10	4	190			
545705	7595	<1	0.03	11	1090	<2	341	0.11	23	<10	20	<10			
545706	8530	18	0.32	33	780	6	153	0.32	86	10	52	20	0.94		
545707	620	25	0.07	1571	<10	<2	3	<0.01	<1	<10	80	10			
545708	2580	3	0.16	14	210	<2	63	0.23	35	130	120	30	7.30		
545801	920	1449	3.75	21	720	<2	35	0.29	53	10	10	300			
545802	495	5	4.96	14	1830	<2	28	0.91	161	<10	12	40			
545803	375	7	1.89	52	900	<2	111	0.98	322	10	10	30			
545804	410	19	2.74	53	470	<2	55	0.31	109	30	<2	20	2.78		
545805	650	15	2.94	38	1230	<2	95	0.29	82	<10	4	40			
545806	1040	16	2.43	45	1060	<2	259	0.28	111	<10	<2	10			
545807	395	48	2.21	46	970	<2	108	0.26	81	<10	<2	<10			
545808	445	10	3.13	48	1200	<2	120	0.31	95	<10	<2	20			
545809	505	1	4.05	31	1060	<2	159	0.26	107	<10	<2	<10			
545810	1480	7	3.02	26	860	<2	120	0.14	62	<10	16	30			
545846	900	2	3.01	42	750	<2	92	0.17	58	<10	<2	10	1.09		
545847	3850	<1	0.92	10	1860	<2	172	0.13	49	<10	6	<10			

Certification: Hartt Bichler

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Project: Fairchild - Slab

Certificate Date: 15-Nov-93
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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 %
546001	65	7.0	1.65	80	<0.5	2	0.42	<0.5	6	295	5138	1.25	0.32	0.19
546002	115	2.2	8.42	470	2.0	6	0.16	0.5	641	102	>10000	2.44	2.41	0.45
546003	30	2.0	0.82	70	<0.5	2	1.10	<0.5	16	277	1990	1.08	0.26	0.15
546004	<5	0.2	7.36	90	0.5	4	1.07	0.5	27	102	160	0.74	0.32	0.24
546005	65	50.0	7.98	60	<0.5	<2	0.23	<0.5	210	92	>10000	2.91	0.38	0.30
546006	2220	>100.0	4.04	70	<0.5	<2	0.29	1.0	230	179	>10000	5.20	0.27	0.09
546263	<5	<0.2	7.49	1190	2.0	<2	2.34	<0.5	22	88	528	4.23	2.91	0.84
546264	<5	<0.2	5.95	460	1.0	<2	5.84	<0.5	38	89	679	9.53	2.13	1.38
546265	<5	0.8	7.59	590	1.5	14	2.67	<0.5	46	83	1403	7.06	2.81	1.15
546266	30	2.2	4.61	390	1.0	<2	9.38	<0.5	202	72	>10000	4.28	0.92	1.87
546267	150	3.0	4.06	150	1.0	<2	11.26	<0.5	230	58	9615	3.18	1.86	1.10
546268	50	1.8	4.97	110	<0.5	<2	6.92	<0.5	1084	89	8105	5.01	2.75	1.23
546275	50	0.4	6.98	1030	2.0	2	7.05	<0.5	38	108	>10000	2.10	2.75	0.94
546276	<5	<0.2	4.46	30	<0.5	2	4.08	<0.5	38	157	333	0.75	0.18	0.47
546277	<5	<0.2	7.96	1470	1.5	4	2.95	<0.5	12	93	1008	0.95	3.28	0.67
546278	210	<0.2	6.92	650	1.0	6	3.98	<0.5	14	65	111	1.07	1.65	0.87
546279	<5	<0.2	6.68	960	1.5	4	2.94	<0.5	23	112	178	1.01	2.83	0.77
546280	<5	<0.2	6.35	950	2.0	6	4.29	<0.5	12	88	76	1.08	2.13	0.98
546281	<5	<0.2	6.29	1010	1.5	4	6.97	<0.5	9	41	25	1.00	2.43	0.90
546282	<5	<0.2	7.92	1570	3.5	2	2.69	<0.5	9	95	138	1.03	4.01	0.74
546283	<5	<0.2	6.76	1070	2.0	<2	3.10	<0.5	16	95	146	1.40	3.24	0.86
546284	<5	<0.2	6.09	1160	1.0	2	2.64	<0.5	13	124	620	0.76	3.22	0.61
546285	<5	<0.2	5.68	1090	0.5	4	2.89	<0.5	14	144	96	0.91	2.82	0.79
546286	<5	<0.2	6.42	1250	1.0	2	2.75	<0.5	15	123	56	0.99	3.47	0.75
546287	<5	<0.2	4.83	220	0.5	4	4.06	<0.5	22	123	999	1.07	0.93	0.97
546288	<5	<0.2	7.50	1780	1.5	<2	1.35	<0.5	7	129	60	0.76	4.82	0.55
546289	<5	<0.2	6.45	990	2.0	4	3.10	<0.5	32	108	528	1.27	2.68	0.77
546290	25	<0.2	6.47	980	2.0	4	2.63	<0.5	25	130	1549	1.59	3.15	0.75
546291	<5	<0.2	5.85	710	1.0	6	3.13	<0.5	57	88	96	1.39	2.12	0.72
546292	<5	0.4	6.70	780	2.0	8	2.14	<0.5	9	118	7	0.68	2.28	0.64
546293	<5	<0.2	8.07	1130	4.5	4	1.71	<0.5	9	111	6	0.74	2.93	0.67
546294	<5	<0.2	5.95	70	0.5	4	3.49	<0.5	7	66	5	0.63	0.50	0.84
546295	<5	<0.2	6.23	220	1.0	6	7.02	<0.5	7	33	2	0.66	0.56	0.76
546296	<5	<0.2	6.89	610	2.0	4	3.83	<0.5	11	89	241	1.04	1.72	1.04
546297	<5	<0.2	8.90	1530	4.5	4	1.91	<0.5	11	104	220	0.84	3.83	0.79

Certification: Stewart Bichler

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

Project: Fairchild - Slab

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Sample Description	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sr ppm	Ti %	V ppm	W ppm	Zn ppm	La ppm	Cu %	Ni %	Co %
546001	285	2	0.88	14	570	<2	15	0.02	6	<10	4	10			
546002	45	8	2.71	100	430	<2	34	0.13	61	<10	<2	130	1.06		
546003	790	1	0.25	7	110	8	15	0.01	9	<10	14	<10			
546004	825	<1	4.99	7	980	4	42	0.13	11	<10	<2	50			
546005	90	12	5.41	99	330	168	35	0.08	31	30	<2	20	2.77		
546006	95	26	2.65	84	610	82	33	0.02	24	110	<2	20	5.06		
546263	5895	<1	1.50	22	650	6	99	0.32	54	<10	120	30			
546264	>10000	1	0.73	25	890	<2	70	0.25	51	<10	122	<10			
546265	7030	1	0.82	28	800	<2	72	0.33	68	<10	324	30			
546266	3205	3	2.07	44	970	<2	89	0.18	34	10	114	<10	1.05		
546267	2560	3	1.41	35	1060	<2	75	0.12	23	<10	78	<10			
546268	2095	3	1.55	44	1100	<2	67	0.17	29	10	70	<10			
546275	1640	5	2.99	34	580	28	73	0.23	62	<10	94	10	1.00		
546276	765	1	3.54	13	300	4	44	0.09	4	<10	12	<10			
546277	720	1	3.80	19	720	6	81	0.26	51	<10	18	20			
546278	1155	1	4.15	15	580	4	69	0.22	31	<10	20	<10			
546279	830	1	3.17	16	530	<2	71	0.19	40	<10	14	10			
546280	1260	<1	2.93	15	470	4	66	0.20	35	<10	20	<10			
546281	1675	1	2.22	15	600	4	92	0.19	49	<10	14	<10			
546282	795	1	1.69	17	740	2	93	0.23	52	<10	12	30			
546283	1145	<1	1.53	16	610	<2	91	0.21	43	<10	14	10			
546284	750	<1	1.42	12	520	<2	69	0.14	32	<10	6	10			
546285	905	<1	1.58	13	420	<2	63	0.13	29	<10	12	330			
546286	1080	<1	1.66	15	460	<2	64	0.17	34	<10	8	10			
546287	1285	<1	2.40	14	380	<2	54	0.11	12	<10	14	<10			
546288	560	2	1.90	13	600	<2	66	0.21	56	<10	4	20			
546289	1230	<1	1.95	15	560	<2	74	0.18	42	<10	8	30			
546290	1260	1	1.58	17	640	<2	65	0.23	44	<10	14	70			
546291	1535	<1	1.92	17	500	<2	57	0.14	35	<10	8	<10			
546292	575	<1	2.28	14	530	<2	47	0.15	45	<10	6	30			
546293	445	<1	2.37	17	610	<2	60	0.21	59	<10	4	40			
546294	915	2	3.77	5	400	<2	49	0.08	7	<10	6	<10			
546295	1420	1	3.78	8	540	<2	101	0.14	35	<10	6	<10			
546296	970	1	3.58	13	560	<2	91	0.17	36	<10	8	10			
546297	435	<1	3.20	23	810	<2	106	0.22	60	<10	6	50			

Certification: Ian Buchler

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Project: Fairchild - Slab

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Sample Description	Au ppb	Ag ppm	Al %	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %
546298	<5	<0.2	8.42	630	1.5	2	3.04	<0.5	8	91	23	0.87	1.80	0.90
546299	<5	<0.2	5.50	210	1.0	2	4.95	<0.5	11	95	26	1.04	0.77	1.09
546300	<5	<0.2	6.54	870	1.5	<2	3.42	<0.5	6	125	7	0.91	2.43	0.87
546301	<5	<0.2	7.16	550	1.5	<2	3.77	<0.5	6	88	<1	0.68	1.56	0.77
546302	<5	<0.2	7.50	980	2.0	<2	2.34	<0.5	9	83	<1	0.76	2.98	0.74
546303	<5	<0.2	5.89	1180	2.0	<2	2.68	<0.5	9	116	<1	1.01	3.21	0.80
546304	<5	<0.2	4.88	950	0.5	<2	3.14	<0.5	8	70	15	0.67	2.31	0.66
546311	<5	<0.2	8.13	1410	2.0	2	3.58	<0.5	39	95	190	2.21	4.39	0.78
546312	<5	<0.2	7.82	630	1.5	2	3.84	<0.5	25	83	194	3.52	3.29	1.07
546313	<5	<0.2	6.60	550	1.0	<2	2.99	<0.5	20	82	118	3.39	3.01	0.96
546314	<5	<0.2	7.22	530	1.5	<2	3.34	<0.5	27	67	187	3.52	3.10	0.98
546315	<5	<0.2	7.99	560	1.5	<2	1.89	<0.5	17	127	368	4.53	3.87	0.93
546316	<5	<0.2	8.04	540	2.0	<2	2.62	<0.5	17	130	526	4.00	4.17	0.96
546330	<5	<0.2	8.94	1220	3.0	8	1.87	<0.5	32	148	1138	2.01	3.79	0.99
546331	<5	<0.2	8.20	370	3.0	<2	0.87	<0.5	25	165	661	1.88	2.45	1.19
546332	<5	<0.2	8.36	310	4.0	<2	0.85	<0.5	18	134	99	1.39	2.01	1.11
546333	<5	<0.2	7.41	500	2.5	<2	1.14	<0.5	10	117	142	0.86	2.18	0.71
546334	<5	<0.2	5.25	570	1.0	<2	2.50	<0.5	16	134	197	1.61	2.48	0.66
546335	<5	<0.2	6.18	430	2.0	2	1.50	<0.5	17	166	157	1.19	1.66	0.85
546353	<5	<0.2	6.49	970	2.0	2	8.17	<0.5	10	56	1	2.59	2.93	0.79
546354	<5	<0.2	6.66	1160	1.0	<2	5.95	<0.5	9	91	<1	5.26	2.58	0.65
546355	<5	0.2	6.05	780	1.0	<2	6.70	<0.5	10	93	<1	3.00	2.51	0.77
546356	<5	0.2	6.49	630	1.0	2	7.31	<0.5	12	86	<1	2.89	2.32	0.98
546357	<5	<0.2	6.43	780	2.0	<2	7.19	<0.5	10	72	7	2.71	2.93	0.90
546358	<5	<0.2	6.72	970	1.5	<2	6.58	<0.5	10	76	13	2.82	3.55	0.89
546359	<5	<0.2	6.40	780	2.0	<2	7.37	<0.5	10	65	5	2.45	2.77	0.80
546360	<5	<0.2	6.35	650	1.5	<2	6.43	0.5	11	84	26	2.54	2.71	0.94
546361	<5	<0.2	6.39	630	1.5	2	7.05	<0.5	11	73	13	2.73	2.63	0.83
546362	<5	<0.2	6.58	860	3.0	4	6.98	0.5	14	81	8	2.64	3.60	1.05
546363	<5	<0.2	2.93	1050	<0.5	<2	1.62	8.0	43	891	668	>25.00	1.42	0.66
546364	<5	<0.2	6.43	610	1.0	<2	6.77	<0.5	12	79	6	2.67	2.72	0.79
546365	<5	<0.2	6.60	730	1.0	<2	5.13	<0.5	11	80	1	3.09	3.27	0.88
546366	<5	<0.2	6.83	1040	0.5	<2	6.02	<0.5	9	66	9	3.29	3.82	0.73
546367	<5	<0.2	6.04	650	0.5	<2	7.37	0.5	10	40	19	3.06	2.39	0.67
546368	<5	<0.2	6.43	810	1.0	<2	6.48	<0.5	11	54	27	3.28	2.68	0.83

Certification: Stuart Bichler

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Pamicon Developments Limited
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Project: Fairchild - Slab

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Sample Description	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sr ppm	Ti %	V ppm	W ppm	Zn ppm	La ppm	Cu %	Ni %	Co %
546298	865	<1	4.69	15	780	<2	98	0.20	50	<10	8	30			
546299	1560	<1	3.34	14	540	<2	94	0.16	22	<10	6	<10			
546300	940	2	2.86	14	610	<2	93	0.17	47	<10	6	10			
546301	1020	<1	3.82	12	670	<2	75	0.18	34	<10	8	<10			
546302	615	<1	3.03	14	650	<2	70	0.18	40	<10	6	20			
546303	805	1	1.68	16	520	<2	67	0.15	37	<10	12	10			
546304	780	<1	1.53	11	410	<2	51	0.11	23	<10	10	<10			
546311	3510	<1	1.19	21	750	<2	131	0.35	66	<10	18	20			
546312	4410	<1	1.16	22	630	<2	117	0.33	56	<10	20	10			
546313	5585	<1	0.82	22	640	<2	88	0.30	48	<10	18	20			
546314	4950	<1	0.77	21	580	<2	85	0.29	50	<10	16	10			
546315	4960	1	0.53	24	780	<2	72	0.36	65	<10	18	40			
546316	5485	<1	0.73	23	710	<2	83	0.37	62	<10	16	30			
546330	495	1	3.58	26	840	<2	147	0.25	80	<10	14	50			
546331	240	2	4.50	33	780	<2	86	0.25	68	<10	10	120			
546332	130	<1	4.63	30	730	<2	102	0.22	78	<10	6	70			
546333	135	1	3.60	18	560	<2	94	0.14	54	<10	4	70			
546334	670	<1	1.74	12	370	<2	74	0.15	26	<10	8	20			
546335	290	<1	2.63	23	520	<2	63	0.15	36	<10	6	30			
546353	1530	<1	2.59	25	750	<2	68	0.18	50	<10	4	<10			
546354	945	<1	3.01	25	920	<2	65	0.24	97	<10	8	<10			
546355	1270	<1	2.48	23	770	<2	55	0.17	50	<10	8	<10			
546356	1270	1	3.01	23	790	<2	81	0.24	57	<10	8	<10			
546357	1205	<1	2.73	22	760	<2	57	0.22	51	<10	8	<10			
546358	1110	<1	2.57	23	810	<2	55	0.23	55	<10	8	<10			
546359	1235	<1	2.82	22	740	<2	54	0.21	46	<10	6	<10			
546360	1105	<1	3.06	22	720	<2	57	0.22	46	<10	8	<10			
546361	1200	<1	3.06	22	770	<2	60	0.23	51	<10	8	<10			
546362	1155	<1	2.70	24	780	<2	60	0.24	54	<10	8	<10			
546363	3020	32	1.05	165	830	<2	35	0.09	33	710	1068	20			
546364	1145	1	3.59	21	740	<2	70	0.23	50	<10	12	<10			
546365	885	3	3.49	22	770	<2	53	0.23	51	<10	8	<10			
546366	1010	<1	3.58	20	840	<2	65	0.25	53	<10	8	<10			
546367	1240	<1	3.19	22	760	<2	72	0.24	47	<10	8	<10			
546368	1140	<1	3.34	24	780	<2	63	0.24	50	<10	12	<10			

Certification: Stuart Bichler

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Project: Fairchild - Slab

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Sample Description	Au ppb	Ag ppm	Al %	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %
546369	<5	<0.2	5.84	890	1.5	2	8.55	<0.5	13	31	34	1.61	3.12	0.75
546370	<5	<0.2	6.07	880	1.5	<2	7.81	<0.5	11	40	29	2.70	3.29	0.82
546371	<5	<0.2	6.10	1170	0.5	<2	8.18	<0.5	14	44	14	3.14	2.70	1.06
546372	<5	<0.2	5.94	980	3.0	<2	7.38	<0.5	12	43	3	2.87	4.70	0.87
546373	<5	<0.2	6.68	1030	1.0	<2	7.50	<0.5	9	77	2	3.00	4.22	0.76
546374	<5	0.4	8.39	740	1.0	<2	2.25	<0.5	41	81	368	5.22	4.24	0.98
546375	<5	0.2	7.80	500	1.0	<2	1.18	<0.5	21	94	696	5.76	4.09	1.00
546376	35	3.8	5.44	410	1.0	12	10.84	<0.5	80	63	4026	5.17	2.78	0.85
546377	<5	<0.2	6.92	1100	0.5	2	3.14	<0.5	205	89	35	3.46	4.30	0.69
546378	<5	<0.2	6.45	680	1.0	4	1.67	<0.5	155	124	107	3.79	3.58	0.86
546379	<5	<0.2	6.65	610	1.0	<2	1.56	<0.5	31	86	189	4.27	3.46	1.19
546380	<5	<0.2	7.20	840	3.0	4	2.02	<0.5	41	146	398	4.14	3.40	1.23
546381	<5	0.8	5.54	1810	1.0	2	1.73	<0.5	66	111	1264	2.11	4.89	0.74
546382	<5	0.4	6.32	1390	3.0	<2	6.18	<0.5	132	100	1625	4.38	3.55	1.83
546383	<5	0.8	2.06	330	0.5	4	13.37	<0.5	80	70	1896	4.18	1.04	3.07
546384	<5	<0.2	1.68	210	<0.5	2	11.65	<0.5	328	82	261	4.97	0.81	3.23
546401	<5	0.8	7.51	390	1.5	6	2.57	<0.5	161	195	3252	4.84	3.36	1.13
546402	1200	4.0	1.17	100	<0.5	920	1.38	192.5	>10000	39	1527	7.20	0.29	0.26
546403	155	0.6	3.13	80	0.5	2	15.86	<0.5	288	103	>10000	2.31	0.37	0.95
546404	10	0.4	6.92	1290	2.0	8	7.93	0.5	412	106	240	3.03	4.20	1.12
545901	30	0.2	7.08	750	2.0	<2	5.47	<0.5	5	165	1919	2.38	2.56	1.27
545902	20	<0.2	6.56	1130	2.0	<2	5.83	<0.5	6	157	2598	2.19	3.37	1.29
545903	455	80.0	6.64	290	1.5	<2	0.41	<0.5	9	92	>10000	2.36	3.40	1.05
545904	<5	0.2	6.78	690	0.5	<2	6.41	<0.5	1	100	268	1.37	3.57	1.01
546104	<5	0.4	3.43	120	<0.5	<2	>25.00	5.5	8	49	96	2.54	1.03	0.64
546105	<5	<0.2	2.35	20	<0.5	<2	>25.00	4.0	7	33	128	1.76	0.40	0.58
546106	<5	<0.2	5.82	170	1.0	<2	7.18	<0.5	40	96	950	8.72	0.91	2.34
546107	<5	0.6	0.92	500	<0.5	<2	23.95	<0.5	93	49	4057	2.89	0.47	0.62
546108	<5	2.8	5.52	220	1.5	<2	11.47	<0.5	5	66	516	6.66	1.60	0.93
546109	<5	0.2	7.36	450	1.0	<2	4.91	<0.5	4	95	22	2.86	2.47	1.31
546110	<5	0.2	7.00	330	1.0	<2	0.61	23.5	6	92	34	10.13	2.30	0.89
546111	<5	0.6	2.94	190	<0.5	<2	>25.00	5.5	6	44	40	4.39	1.57	1.50
546251	<5	0.4	8.76	600	2.5	2	1.64	<0.5	12	99	743	3.77	3.73	0.80
546252	<5	0.8	8.28	590	1.5	18	3.11	<0.5	39	83	953	4.36	3.57	1.04
546253	<5	0.6	8.84	810	2.0	22	3.35	<0.5	54	90	950	4.90	3.86	1.16

Certification: Stan Bichler

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Sample Description	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sr ppm	Ti %	V ppm	W ppm	Zn ppm	La ppm	Cu %	Ni %	Co %
546369	1465	<1	2.56	21	750	<2	76	0.18	32	<10	8	<10			
546370	1370	<1	2.55	22	760	<2	82	0.22	46	<10	12	<10			
546371	1540	1	1.97	26	820	<2	81	0.23	52	<10	8	<10			
546372	1235	5	2.28	23	790	<2	67	0.23	52	<10	6	<10			
546373	1050	1	2.67	21	810	<2	71	0.21	52	<10	8	<10			
546374	4775	<1	0.78	25	740	<2	69	0.38	73	<10	92	40			
546375	6010	1	0.74	19	680	<2	55	0.34	65	<10	112	50			
546376	3310	2	1.62	32	960	<2	47	0.27	39	<10	170	<10			
546377	2300	1	2.16	52	660	<2	58	0.27	40	<10	52	20			
546378	2435	<1	1.20	40	630	<2	59	0.26	47	<10	54	40			
546379	3125	1	0.49	17	540	<2	50	0.29	46	<10	70	20			
546380	2085	<1	0.95	19	560	4	87	0.33	57	<10	74	30			
546381	1075	<1	0.19	14	440	14	73	0.18	34	<10	52	20			
546382	2800	3	0.72	27	610	4	105	0.25	51	10	86	20			
546383	4445	9	0.12	23	590	<2	64	0.09	25	<10	60	<10			
546384	5740	9	0.04	33	490	8	60	0.06	21	<10	42	<10			
546401	1920	20	1.35	51	810	12	159	0.29	86	<10	34	<10			
546402	3000	<1	0.03	>10000	270	28	152	0.04	9	810	184	<10		4.66	16.00
546403	2255	8	1.76	60	670	<2	120	0.09	15	<10	62	<10	1.26		
546404	1480	<1	1.79	143	1340	<2	192	0.24	99	<10	14	<10			
545901	970	4	2.99	27	1050	4	186	0.21	106	<10	42	20			
545902	1040	3	1.92	26	1240	4	195	0.24	114	<10	68	<10			
545903	125	350	2.93	30	240	4	39	0.21	98	<10	32	<10	8.34		
545904	675	1	3.09	26	560	4	57	0.16	48	<10	8	<10			
546104	3445	1	0.91	11	1030	18	305	0.15	42	<10	2964	<10			
546105	2410	6	0.29	12	950	6	133	0.10	26	<10	2384	<10			
546106	1365	<1	1.75	59	930	14	199	1.01	296	<10	152	<10			
546107	5895	2	0.40	35	3370	4	1144	0.03	25	<10	28	<10			
546108	1910	3	1.66	15	910	132	267	0.26	61	<10	208	<10			
546109	1095	<1	2.14	23	760	4	143	0.33	61	<10	86	10			
546110	700	2	2.04	18	990	92	99	0.32	64	<10	5018	30			
546111	5115	6	0.08	11	1120	14	357	0.06	30	<10	968	<10			
546251	4045	<1	0.75	20	730	12	67	0.33	91	<10	70	50			
546252	5325	1	0.65	25	910	8	68	0.31	96	<10	70	50			
546253	5705	1	0.54	40	990	4	71	0.34	112	<10	86	40			

Certification: Stuart Bichler

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

Project: Fairchild - Slab

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Sample Description	Au ppb	Ag ppm	Al %	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %
546254	<5	0.6	9.33	1080	1.5	10	2.47	<0.5	58	110	585	3.69	4.23	0.98
546255	<5	0.2	8.25	940	1.5	14	3.24	<0.5	83	108	504	3.75	4.00	1.00
546256	<5	0.4	8.32	950	2.0	2	3.46	<0.5	59	109	827	4.19	3.70	1.05
546257	<5	0.4	8.49	800	2.0	<2	2.42	<0.5	54	107	767	3.10	3.63	0.76
546258	<5	0.4	7.03	730	1.5	20	4.66	<0.5	196	85	910	4.53	3.30	1.18
546259	<5	0.2	7.47	710	1.0	<2	2.15	<0.5	55	74	890	3.21	3.83	0.78
546260	<5	0.4	7.75	680	1.0	4	2.46	<0.5	40	91	754	3.36	3.78	0.83
546261	<5	0.4	8.05	570	1.0	2	1.62	<0.5	21	74	511	3.09	3.92	0.73
546262	<5	1.4	6.55	660	1.5	<2	3.77	<0.5	22	93	1780	6.54	3.05	1.07
546269	55	2.2	5.92	540	<0.5	<2	2.01	<0.5	257	170	7224	2.42	4.08	0.79
546270	10	0.4	7.56	1940	1.0	<2	2.30	<0.5	146	108	522	3.33	4.79	1.61
546271	5	0.4	5.50	1240	2.0	<2	8.10	<0.5	43	106	1682	1.30	3.10	0.78
546272	<5	<0.2	6.43	1540	<0.5	<2	4.07	<0.5	15	131	45	1.18	3.36	0.83
546273	<5	<0.2	5.48	800	<0.5	<2	4.68	<0.5	49	151	359	1.15	2.10	0.76
546274	<5	<0.2	5.12	1130	<0.5	<2	4.19	<0.5	59	158	2019	1.15	2.71	0.58
546305	<5	<0.2	5.01	800	<0.5	<2	3.53	<0.5	2	147	19	0.67	2.38	0.59
546306	<5	<0.2	6.01	1530	0.5	<2	3.96	<0.5	11	118	21	1.55	4.36	0.91
546307	<5	<0.2	6.57	1670	1.0	<2	3.30	<0.5	6	121	14	1.36	4.69	0.71
546308	<5	<0.2	6.17	880	1.5	<2	4.19	<0.5	10	128	117	2.22	3.47	0.94
546309	<5	<0.2	6.44	930	2.0	<2	4.53	<0.5	7	47	28	1.91	3.93	0.92
546310	10	<0.2	7.61	890	3.0	<2	3.26	<0.5	11	96	216	2.15	3.93	0.88
546317	<5	<0.2	7.72	440	3.5	<2	2.36	<0.5	10	109	512	3.80	3.87	0.83
546318	<5	<0.2	7.64	400	3.0	<2	2.63	<0.5	9	82	471	4.22	3.71	0.94
546319	<5	<0.2	8.03	500	1.0	<2	1.82	<0.5	8	85	253	3.78	3.82	0.75
546320	<5	<0.2	7.56	380	0.5	<2	2.96	<0.5	10	116	237	3.90	3.38	0.87
546321	<5	<0.2	7.65	390	1.5	<2	3.07	<0.5	15	83	218	3.70	3.38	0.87
546322	<5	<0.2	8.40	530	2.5	<2	1.88	<0.5	14	85	441	3.13	4.05	0.78
546323	<5	<0.2	7.81	600	2.0	<2	3.60	<0.5	12	91	479	3.63	3.91	0.90
546324	<5	<0.2	8.31	560	2.0	<2	2.38	<0.5	15	139	230	2.75	3.73	0.75
546325	<5	<0.2	7.55	510	1.0	<2	2.72	<0.5	13	115	743	3.20	3.76	0.91
546326	<5	<0.2	8.36	570	1.5	<2	1.03	<0.5	23	90	414	2.39	4.47	0.68
546327	<5	<0.2	7.07	490	1.5	<2	2.42	<0.5	14	91	1232	3.10	3.79	0.78
546328	<5	<0.2	7.25	270	1.5	<2	4.38	<0.5	20	100	1979	3.84	2.31	0.99
546329	15	<0.2	6.72	520	2.5	<2	5.00	<0.5	50	97	3271	4.22	3.43	1.07
546336	<5	<0.2	6.06	100	0.5	<2	0.66	<0.5	9	74	26	1.74	1.40	1.80

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711 - 675 W. Hastings St.
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Project: Fairchild - Slab

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Sample Description	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sr ppm	Ti %	V ppm	W ppm	Zn ppm	La ppm	Cu %	Ni %	Co %
546254	5320	<1	0.52	20	770	6	72	0.36	104	<10	62	50			
546255	5930	3	0.60	25	730	4	76	0.34	84	<10	48	40			
546256	6455	<1	0.77	15	760	6	103	0.35	80	<10	66	40			
546257	4135	<1	0.69	15	660	6	61	0.37	82	<10	52	40			
546258	7240	1	0.45	24	750	<2	68	0.29	73	<10	60	20			
546259	5010	1	0.41	20	660	<2	74	0.30	60	<10	56	40			
546260	5350	1	0.43	16	870	2	79	0.32	62	<10	56	30			
546261	4345	1	0.46	16	670	<2	61	0.31	65	<10	48	60			
546262	5645	1	0.91	29	810	<2	74	0.31	72	<10	240	20			
546269	785	<1	1.60	30	640	4	63	0.13	47	<10	32	60			
546270	1405	1	1.88	40	740	4	72	0.27	85	<10	42	40			
546271	1625	<1	1.83	16	570	2	74	0.18	42	<10	18	<10			
546272	960	<1	2.16	15	680	<2	63	0.22	52	<10	14	<10			
546273	1040	<1	2.50	16	500	4	55	0.16	28	<10	18	<10			
546274	905	<1	1.98	21	520	8	56	0.13	34	<10	18	20			
546305	860	<1	2.08	10	410	<2	59	0.08	22	<10	10	<10			
546306	1495	<1	1.24	20	690	<2	84	0.20	65	<10	10	<10			
546307	1340	<1	1.41	18	810	<2	89	0.20	51	<10	10	20			
546308	2780	1	1.45	18	670	<2	86	0.27	50	<10	12	10			
546309	3290	<1	1.18	15	750	<2	94	0.26	53	<10	12	10			
546310	3595	1	1.45	20	730	<2	95	0.33	62	<10	14	30			
546317	3925	2	0.63	21	850	<2	53	0.35	70	<10	10	30			
546318	5445	1	0.62	22	690	<2	62	0.33	66	<10	12	20			
546319	4420	2	0.55	24	750	<2	64	0.37	70	<10	8	40			
546320	4160	<1	0.46	22	630	<2	47	0.34	63	<10	10	20			
546321	6735	<1	0.60	24	840	<2	64	0.36	68	<10	12	30			
546322	4030	<1	0.55	27	800	<2	56	0.36	74	<10	6	40			
546323	3955	2	0.81	23	950	<2	87	0.36	66	<10	8	10			
546324	2375	<1	0.62	24	780	<2	69	0.37	73	<10	12	40			
546325	3985	<1	0.68	15	630	10	119	0.34	65	<10	22	30			
546326	1270	<1	0.48	22	730	16	68	0.38	78	<10	18	60			
546327	4180	<1	0.65	12	570	8	61	0.28	58	<10	20	20			
546328	8815	8	1.89	19	640	<2	69	0.30	77	<10	16	30			
546329	6645	3	1.60	23	550	<2	80	0.24	67	<10	14	20			
546336	260	<1	3.82	39	180	<2	27	0.19	62	<10	8	10			

Certification: Ian Bichler

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

Project: Fairchild - Slab

Certificate Date: 15-Nov-93
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Sample Description	Au ppb	Ag ppm	Al %	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %
546337	<5	<0.2	6.70	750	1.5	6	0.64	<0.5	4	94	31	0.98	1.82	0.82
546338	<5	<0.2	6.13	190	1.0	<2	0.42	<0.5	7	82	36	1.07	1.17	0.97
546339	<5	<0.2	6.14	210	1.0	<2	1.42	<0.5	9	88	88	1.39	1.33	1.01
546340	<5	<0.2	5.14	140	2.0	<2	1.02	<0.5	13	77	27	11.05	1.30	1.23
546341	<5	<0.2	4.25	110	2.0	<2	1.03	<0.5	13	72	46	6.22	1.35	1.57
546342	<5	<0.2	5.43	80	1.0	<2	0.96	<0.5	9	69	27	3.06	1.00	1.14
546343	<5	<0.2	6.69	80	<0.5	<2	5.82	<0.5	9	87	3	1.82	1.32	1.58
546344	<5	<0.2	5.99	120	<0.5	<2	9.86	<0.5	13	66	182	3.88	0.90	1.50
546345	<5	<0.2	6.33	580	<0.5	<2	6.70	<0.5	6	66	80	3.90	2.02	0.94
546346	<5	<0.2	6.56	600	<0.5	<2	8.51	<0.5	3	68	29	2.77	2.13	0.59
546347	<5	<0.2	6.50	610	<0.5	<2	7.24	<0.5	6	80	8	3.09	2.28	1.25
546348	<5	<0.2	6.78	420	2.0	4	7.91	<0.5	<1	75	37	2.42	1.88	0.31
546349	<5	<0.2	6.35	850	0.5	2	9.13	<0.5	2	89	3	2.75	2.28	0.59
546350	<5	<0.2	6.85	970	<0.5	6	6.19	<0.5	6	85	3	3.05	2.73	1.15
546351	<5	<0.2	6.61	780	1.5	<2	5.74	<0.5	4	97	28	3.25	2.26	0.85
546352	<5	<0.2	6.43	1330	0.5	2	7.72	<0.5	3	96	3	2.99	3.09	0.60
545946	<5	<0.2	8.03	470	6.5	<2	7.22	<0.5	2	93	6	1.90	3.83	2.35
545947	<5	<0.2	6.34	440	2.0	4	8.98	<0.5	2	85	140	1.46	2.17	0.84

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

Project: Fairchild - Slab

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Sample Description	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sr ppm	Ti %	V ppm	W ppm	Zn ppm	La ppm	Cu %	Ni %	Co %
546337	135	1	4.03	20	530	<2	69	0.13	58	<10	6	20			
546338	160	1	4.10	22	330	<2	28	0.12	43	<10	6	30			
546339	255	1	3.76	25	650	<2	47	0.15	55	<10	6	30			
546340	285	2	3.18	43	1050	<2	37	0.16	191	<10	14	10			
546341	295	1	2.46	47	1180	<2	27	0.19	157	<10	12	40			
546342	250	<1	3.67	29	940	<2	29	0.16	73	<10	8	40			
546343	740	1	4.46	30	740	<2	70	0.28	49	<10	10	<10			
546344	1255	<1	3.80	25	990	<2	77	0.46	116	<10	12	<10			
546345	840	1	3.52	21	730	<2	56	0.35	110	<10	6	<10			
546346	1015	1	3.83	16	720	<2	61	0.20	56	<10	4	<10			
546347	910	<1	3.50	27	690	<2	58	0.21	60	<10	6	<10			
546348	935	1	4.08	12	640	<2	51	0.18	53	<10	4	<10			
546349	1130	<1	3.57	20	710	<2	60	0.19	61	<10	4	<10			
546350	820	<1	3.44	31	730	<2	52	0.14	55	<10	6	<10			
546351	795	<1	3.95	27	720	<2	49	0.15	56	70	18	10			
546352	1110	1	3.43	21	710	<2	61	0.18	60	<10	4	<10			
545946	880	1	3.36	44	890	<2	55	0.37	101	<10	18	50			
545947	1070	3	3.12	15	1000	32	104	0.16	61	<10	46	<10			

Certification: Hart Bichler

Chemex Labs Ltd.

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

A9317884

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

CERTIFICATE A9317884

PAMICON DEVELOPMENTS LIMITED

Project: EAGLE-FAIRCHILD
P.O. # :

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

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
201	152	Dry, sieve to -80 mesh
285	152	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	152	Au ppb: Fuse 10 g sample	FA-AAS	5	10000
578	152	Ag ppm: 24 element, rock & core	AAS	0.5	200
573	152	Al %: 24 element, rock & core	ICP-AES	0.01	25.0
565	152	Ba ppm: 24 element, rock & core	ICP-AES	10	10000
575	152	Be ppm: 24 element, rock & core	ICP-AES	0.5	10000
561	152	Bi ppm: 24 element, rock & core	ICP-AES	2	10000
576	152	Ca %: 24 element, rock & core	ICP-AES	0.01	25.0
562	152	Cd ppm: 24 element, rock & core	ICP-AES	0.5	10000
563	152	Co ppm: 24 element, rock & core	ICP-AES	1	10000
569	152	Cr ppm: 24 element, rock & core	ICP-AES	1	10000
577	152	Cu ppm: 24 element, rock & core	ICP-AES	1	10000
566	152	Fe %: 24 element, rock & core	ICP-AES	0.01	25.0
584	152	K %: 24 element, rock & core	ICP-AES	0.01	20.0
570	152	Mg %: 24 element, rock & core	ICP-AES	0.01	20.0
568	152	Mn ppm: 24 element, rock & core	ICP-AES	5	10000
554	152	Mo ppm: 24 element, rock & core	ICP-AES	1	10000
583	152	Na %: 24 element, rock & core	ICP-AES	0.01	5.00
564	152	Ni ppm: 24 element, rock & core	ICP-AES	1	10000
559	152	P ppm: 24 element, rock & core	ICP-AES	10	10000
560	152	Pb ppm: 24 element, rock & core	AAS	2	10000
582	152	Sr ppm: 24 element, rock & core	ICP-AES	1	10000
579	152	Ti %: 24 element, rock & core	ICP-AES	0.01	10.00
572	152	V ppm: 24 element, rock & core	ICP-AES	1	10000
556	152	W ppm: 24 element, rock & core	ICP-AES	10	10000
558	152	Zn ppm: 24 element, rock & core	ICP-AES	2	10000
1006	152	La ppm: 20 element, rock ID	ICP-AES	10	10000

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To: PAMICON DEVELOPMENTS LIMITED
WESTMIN PROJECT
711 - 675 W. HASTINGS ST.
VANCOUVER, BC
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Page Number : 1-A
Total Pages : 4
Certificate Date: 02-AUG-93
Invoice No. : I9317884
P.O. Number :
Account : BM W

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

CERTIFICATE OF ANALYSIS A9317884

SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm AAS	Al % (ICP)	Ba ppm (ICP)	Be ppm (ICP)	Bi ppm (ICP)	Ca % (ICP)	Cd ppm (ICP)	Co ppm (ICP)	Cr ppm (ICP)	Cu ppm (ICP)	Fe % (ICP)	K % (ICP)	Mg % (ICP)
L4900N 4500E	201	285	< 5	< 0.2	6.86	690	1.0	< 2	1.60	< 0.5	10	54	34	2.81	3.18	1.40
L4900N 4550E	201	285	< 5	< 0.2	7.77	510	3.0	< 2	1.12	< 0.5	8	57	25	2.65	2.66	1.62
L4900N 4600E	201	285	< 5	< 0.2	5.84	560	1.0	< 2	1.53	< 0.5	15	49	40	2.97	1.94	1.12
L4900N 4650E	201	285	< 5	< 0.2	7.41	650	1.5	< 2	0.76	< 0.5	17	54	26	3.45	2.21	0.98
L4900N 4700E	201	285	< 5	< 0.2	7.17	620	2.0	< 2	1.11	< 0.5	8	55	24	3.13	2.12	1.12
L4900N 4750E	201	285	< 5	< 0.2	6.90	800	1.5	2	1.10	< 0.5	12	58	29	3.66	2.18	1.17
L5000N 4500E	201	285	< 5	< 0.2	7.65	490	2.0	< 2	0.77	< 0.5	17	67	87	3.40	2.52	1.89
L5000N 4550E	201	285	< 5	< 0.2	7.09	620	2.0	< 2	0.82	< 0.5	20	60	19	3.54	2.71	1.51
L5000N 4600E	201	285	< 5	< 0.2	7.45	760	2.0	2	0.70	< 0.5	11	55	41	3.61	2.80	0.87
L5000N 4650E	201	285	< 5	< 0.2	7.16	610	1.5	2	1.01	< 0.5	9	55	17	3.05	2.19	1.02
L5000N 4700E	201	285	< 5	< 0.2	6.76	520	2.0	2	1.17	< 0.5	8	50	14	3.10	1.54	1.01
L5000N 4750E	201	285	< 5	< 0.2	7.33	580	1.5	< 2	1.23	< 0.5	10	59	36	3.35	1.63	1.15
L5100N 4500E	201	285	< 5	< 0.2	7.68	730	1.5	2	0.62	< 0.5	20	57	13	3.60	3.17	1.19
L5100N 4550E	201	285	< 5	< 0.2	7.08	650	1.5	< 2	0.71	< 0.5	18	53	47	3.66	2.16	0.99
L5100N 4600E	201	285	< 5	< 0.2	7.56	750	1.5	< 2	0.75	< 0.5	12	60	30	3.61	2.28	1.22
L5100N 4650E	201	285	< 5	< 0.2	7.97	820	4.0	2	0.64	< 0.5	9	54	14	3.20	2.62	0.96
L5100N 4700E	201	285	< 5	< 0.2	7.31	730	2.0	2	0.94	< 0.5	12	60	62	3.51	2.13	1.14
L5100N 4750E	201	285	< 5	< 0.2	8.05	430	5.0	< 2	3.70	< 0.5	30	63	388	1.85	1.84	1.81
L5200N 4500E	201	285	< 5	< 0.2	7.18	600	3.0	< 2	1.21	< 0.5	14	51	44	2.65	3.09	1.24
L5200N 4550E	201	285	< 5	< 0.2	7.63	710	2.0	2	0.76	< 0.5	16	58	80	3.41	2.59	1.16
L5200N 4600E	201	285	< 5	< 0.2	7.16	640	1.5	2	0.66	< 0.5	15	55	24	3.75	2.93	1.08
L5200N 4650E	201	285	< 5	< 0.2	7.57	670	3.5	< 2	0.74	< 0.5	18	57	24	3.60	2.52	1.17
L5200N 5300E	201	285	< 5	< 0.2	7.37	600	2.5	2	0.75	< 0.5	11	53	20	3.14	2.15	0.84
L5300N 4500E	201	285	< 5	< 0.2	6.52	530	1.5	2	5.63	< 0.5	6	50	18	2.69	2.40	0.95
L5300N 4550E	201	285	< 5	< 0.2	7.11	640	2.5	2	1.89	< 0.5	12	55	22	3.10	2.81	0.99
L5300N 4600E	201	285	< 5	< 0.2	7.51	660	2.0	6	0.52	< 0.5	14	64	33	4.32	2.78	1.05
L5300N 4650E	201	285	< 5	< 0.2	7.55	960	1.5	12	0.69	< 0.5	11	53	16	3.35	2.90	0.97
L5300N 4700E	201	285	< 5	< 0.2	7.44	750	1.5	8	0.98	< 0.5	10	56	16	3.62	2.68	1.09
L5300N 4750E	201	285	< 5	< 0.2	6.67	410	1.5	< 2	2.68	< 0.5	62	36	564	7.43	2.17	2.48
L5400N 4500E	201	285	< 5	< 0.2	7.68	420	3.5	8	1.17	< 0.5	14	54	47	2.83	1.57	1.40
L5400N 4550E	201	285	< 5	< 0.2	7.48	720	4.0	< 2	0.80	< 0.5	12	59	14	3.33	2.41	1.72
L5400N 4600E	201	285	< 5	< 0.2	7.45	210	1.5	2	0.71	< 0.5	12	76	15	1.95	0.74	1.10
L5400N 4650E	201	285	< 5	< 0.2	7.44	430	1.5	4	0.59	< 0.5	13	80	36	3.27	1.65	1.02
L5400N 4700E	201	285	< 5	< 0.2	6.92	550	2.0	< 2	0.81	< 0.5	12	67	14	3.06	1.70	1.14
L5400N 4750E	201	285	< 5	< 0.2	6.82	640	1.5	< 2	2.34	< 0.5	43	81	717	5.01	2.49	1.99
L5500N 4500E	201	285	< 5	< 0.2	7.56	1400	2.0	< 2	0.83	0.5	9	78	12	3.69	3.40	1.14
L5500N 4550E	201	285	< 5	< 0.2	7.30	1030	3.0	2	0.57	< 0.5	8	75	13	3.81	2.93	0.72
L5500N 4600E	201	285	< 5	< 0.2	7.63	1050	2.0	< 2	0.65	< 0.5	11	82	13	3.20	2.53	1.27
L5500N 4650E	201	285	< 5	< 0.2	6.80	1560	1.0	2	0.53	< 0.5	11	70	16	3.98	2.92	0.95
L5500N 4700E	201	285	< 5	< 0.2	6.48	2100	2.0	2	1.35	0.5	28	70	1285	3.53	2.87	1.26

CERTIFICATION: Bart Buchler

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

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

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

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

Certificate Date: 02-AUG-93
Invoice No. :I9317884
P.O. Number :
Account :BM W

CERTIFICATE OF ANALYSIS A9317884

SAMPLE	PREP CODE		Mn ppm (ICP)	Mo ppm (ICP)	Na % (ICP)	Ni ppm (ICP)	P ppm (ICP)	Pb ppm AAS	Sr ppm (ICP)	Ti % (ICP)	V ppm (ICP)	W ppm (ICP)	Zn ppm (ICP)	La ppm ICP		
L4900N 4500E	201	285	870	< 1	1.70	28	890	6	52	0.24	70	< 10	36	40		
L4900N 4550E	201	285	485	< 1	3.03	31	730	2	40	0.25	63	< 10	24	50		
L4900N 4600E	201	285	1250	< 1	1.24	24	1040	12	73	0.23	71	< 10	94	40		
L4900N 4650E	201	285	1345	< 1	1.98	26	590	14	81	0.27	83	< 10	64	70		
L4900N 4700E	201	285	700	< 1	3.12	29	890	4	57	0.22	71	< 10	36	40		
L4900N 4750E	201	285	1135	< 1	2.16	27	730	10	99	0.30	90	< 10	102	40		
L5000N 4500E	201	285	795	< 1	1.95	34	560	6	53	0.30	82	< 10	54	60		
L5000N 4550E	201	285	1005	< 1	1.73	30	490	6	61	0.30	82	< 10	62	60		
L5000N 4600E	201	285	1160	1	3.44	25	1290	8	56	0.27	75	< 10	32	30		
L5000N 4650E	201	285	1140	< 1	3.40	26	760	< 2	48	0.24	68	< 10	24	50		
L5000N 4700E	201	285	1020	< 1	3.49	24	660	< 2	51	0.20	67	< 10	36	40		
L5000N 4750E	201	285	990	1	3.42	29	860	6	64	0.24	77	< 10	68	50		
L5100N 4500E	201	285	360	1	1.83	29	420	10	67	0.29	79	< 10	56	30		
L5100N 4550E	201	285	1405	< 1	2.22	26	500	10	70	0.27	82	< 10	62	30		
L5100N 4600E	201	285	1145	2	2.87	35	490	4	75	0.26	80	< 10	66	60		
L5100N 4650E	201	285	1010	1	3.51	28	390	4	51	0.23	70	< 10	40	40		
L5100N 4700E	201	285	1025	1	2.79	29	690	6	77	0.27	82	< 10	56	60		
L5100N 4750E	201	285	855	3	4.66	38	1130	< 2	75	0.21	96	< 10	22	50		
L5200N 4500E	201	285	1150	2	2.17	27	670	4	43	0.20	62	< 10	36	70		
L5200N 4550E	201	285	990	< 1	2.42	29	420	10	70	0.25	81	< 10	56	50		
L5200N 4600E	201	285	920	< 1	2.21	25	290	10	68	0.25	80	< 10	68	30		
L5200N 4650E	201	285	1245	< 1	2.48	29	370	6	71	0.24	73	< 10	54	40		
L5200N 5300E	201	285	1695	< 1	3.40	24	730	4	57	0.19	67	< 10	56	60		
L5300N 4500E	201	285	1180	< 1	3.13	20	730	< 2	56	0.19	60	< 10	18	10		
L5300N 4550E	201	285	1275	1	2.88	31	830	4	49	0.19	68	< 10	28	60		
L5300N 4600E	201	285	615	2	1.73	25	370	12	82	0.31	96	< 10	68	30		
L5300N 4650E	201	285	1310	< 1	2.75	25	700	6	63	0.22	82	< 10	48	60		
L5300N 4700E	201	285	1595	< 1	3.29	28	930	< 2	51	0.19	67	< 10	40	70		
L5300N 4750E	201	285	1545	2	1.92	38	1230	< 2	60	0.71	268	< 10	28	30		
L5400N 4500E	201	285	1250	< 1	3.94	30	1150	< 2	48	0.21	75	< 10	34	60		
L5400N 4550E	201	285	1510	3	2.75	39	890	< 2	58	0.21	75	< 10	28	90		
L5400N 4600E	201	285	2120	1	4.61	24	760	8	43	0.18	62	< 10	26	20		
L5400N 4650E	201	285	955	1	3.28	27	370	10	70	0.27	86	< 10	48	30		
L5400N 4700E	201	285	1190	< 1	3.40	25	600	4	55	0.25	71	< 10	38	30		
L5400N 4750E	201	285	1950	2	2.45	39	1200	4	93	0.39	178	< 10	34	60		
L5500N 4500E	201	285	1070	< 1	2.61	27	560	2	82	0.27	78	< 10	32	40		
L5500N 4550E	201	285	1235	< 1	3.10	25	600	6	62	0.23	83	< 10	40	30		
L5500N 4600E	201	285	930	< 1	3.08	28	570	< 2	74	0.26	81	< 10	28	30		
L5500N 4650E	201	285	435	1	1.77	20	400	8	84	0.31	89	< 10	42	20		
L5500N 4700E	201	285	1525	1	1.65	28	760	6	116	0.27	83	< 10	36	30		

CERTIFICATION: Ian Bailey

Chemex Labs Ltd.

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

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

Certificate Date: 02-AUG-93
Invoice No. :I9317884
P.O. Number :
Account :BM W

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

CERTIFICATE OF ANALYSIS A9317884

SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm AAS	Al % (ICP)	Ba ppm (ICP)	Be ppm (ICP)	Bi ppm (ICP)	Ca % (ICP)	Cd ppm (ICP)	Co ppm (ICP)	Cr ppm (ICP)	Cu ppm (ICP)	Fe % (ICP)	K % (ICP)	Mg % (ICP)
L5500N 4750E	201	285	15	< 0.2	6.71	750	1.5	2	1.52	< 0.5	44	74	2890	3.11	1.88	1.29
L5500N 4800E	201	285	< 5	< 0.2	7.24	470	1.5	< 2	1.35	< 0.5	43	70	363	4.49	1.67	2.04
L5500N 4850E	201	285	< 5	< 0.2	6.73	390	1.5	< 2	1.23	< 0.5	20	64	69	3.96	1.56	1.66
L5500N 4900E	201	285	< 5	< 0.2	7.56	550	1.5	< 2	0.75	< 0.5	18	72	36	4.06	1.92	1.39
L5500N 4950E	201	285	< 5	< 0.2	6.60	630	0.5	< 2	0.61	< 0.5	8	68	23	3.33	1.91	0.68
L5500N 5000E	201	285	< 5	< 0.2	7.60	670	1.0	4	0.56	< 0.5	14	71	21	3.68	1.91	0.84
L5500N 5050E	201	285	< 5	< 0.2	7.57	810	1.0	2	0.92	< 0.5	24	82	42	4.01	1.91	1.18
L5500N 5100E	201	285	< 5	< 0.2	8.36	750	4.0	4	1.29	< 0.5	12	63	38	4.17	2.37	1.32
L5500N 5150E	201	285	< 5	< 0.2	6.57	670	1.0	6	0.56	< 0.5	7	68	21	3.66	1.80	0.63
L5500N 5200E	201	285	< 5	< 0.2	7.54	630	2.0	2	0.78	< 0.5	18	68	35	3.96	1.74	0.95
L5500N 5250E	201	285	< 5	< 0.2	10.30	610	7.0	2	1.35	0.5	26	74	122	4.29	1.62	1.31
L5500N 5300E	201	285	< 5	< 0.2	8.98	650	1.0	< 2	0.55	< 0.5	16	90	60	4.04	2.17	1.05
L5500N 5350E	201	285	< 5	< 0.2	8.35	780	2.0	2	0.59	< 0.5	18	75	59	4.45	2.02	1.22
L5500N 5400E	201	285	< 5	< 0.2	9.26	680	0.5	< 2	0.57	< 0.5	18	92	70	4.28	2.35	1.11
L5500N 5450E	201	285	< 5	< 0.2	8.24	690	0.5	< 2	0.57	< 0.5	20	79	51	4.80	1.89	1.14
L5500N 5500E	201	285	< 5	< 0.2	8.09	690	0.5	< 2	0.55	< 0.5	19	78	49	4.63	1.93	1.11
L5600N 4500E	201	285	< 5	< 0.2	7.22	1270	1.0	4	0.92	< 0.5	13	64	138	3.17	2.64	1.33
L5600N 4550E	201	285	< 5	< 0.2	7.76	900	1.0	2	2.61	< 0.5	11	73	64	3.52	2.21	1.48
L5600N 4600E	201	285	< 5	< 0.2	6.55	1100	1.0	2	1.38	< 0.5	9	62	11	3.32	2.67	1.16
L5600N 4650E	201	285	< 5	< 0.2	6.61	2620	< 0.5	2	1.06	< 0.5	13	64	13	3.60	2.47	0.93
L5600N 4700E	201	285	35	< 0.2	7.19	1550	0.5	4	1.22	< 0.5	24	86	115	3.99	2.71	1.47
L5600N 4750E	201	285	< 5	< 0.2	6.52	1450	< 0.5	6	1.92	< 0.5	57	83	2380	4.32	2.39	1.38
L5600N 4800E	201	285	< 5	< 0.2	7.21	700	< 0.5	4	0.76	< 0.5	16	88	69	4.23	1.54	0.83
L5600N 4850E	201	285	< 5	< 0.2	7.38	690	1.0	4	0.72	< 0.5	21	76	64	3.97	1.94	1.06
L5600N 4900E	201	285	< 5	< 0.2	9.95	680	5.0	4	0.96	< 0.5	33	71	64	4.58	2.21	1.38
L5600N 4950E	201	285	< 5	< 0.2	7.48	700	0.5	< 2	0.66	< 0.5	11	79	30	3.85	1.84	0.85
L5600N 5050E	201	285	< 5	< 0.2	7.53	690	2.0	4	1.14	< 0.5	15	64	28	3.64	1.44	0.67
L5600N 5100E	201	285	< 5	< 0.2	11.10	950	3.0	6	0.48	< 0.5	22	95	185	4.87	2.78	1.10
L5600N 5150E	201	285	< 5	< 0.2	10.80	920	3.0	4	0.55	< 0.5	23	154	167	4.68	2.57	1.01
L5600N 5200E	201	285	< 5	0.4	10.45	720	3.0	8	0.47	< 0.5	57	94	415	4.83	2.11	1.14
L5600N 5250E	201	285	< 5	< 0.2	7.18	630	0.5	4	0.33	< 0.5	10	73	35	4.60	1.71	0.59
L5600N 5300E	201	285	< 5	< 0.2	7.54	630	1.0	4	0.55	< 0.5	19	79	124	4.81	1.64	0.81
L5600N 5350E	201	285	< 5	0.4	8.93	860	1.0	4	0.72	0.5	26	90	230	4.18	2.20	1.01
L5600N 5400E	201	285	< 5	< 0.2	7.84	770	0.5	2	0.75	< 0.5	21	88	79	4.08	1.98	1.05
L5600N 5450E	201	285	< 5	< 0.2	8.19	760	< 0.5	2	0.58	< 0.5	18	87	79	3.99	1.93	0.92
L5600N 5500E	201	285	< 5	< 0.2	7.97	740	1.0	4	0.84	< 0.5	18	88	88	3.82	2.04	1.04
L5700N 4500E	201	285	< 5	< 0.2	6.42	1440	3.0	< 2	2.81	< 0.5	13	70	68	3.24	2.32	1.30
L5700N 4550E	201	285	< 5	< 0.2	6.50	1630	1.5	6	1.25	< 0.5	22	72	188	3.32	2.60	1.28
L5700N 4600E	201	285	< 5	< 0.2	6.28	1730	0.5	6	0.94	< 0.5	17	68	18	3.10	2.72	1.13
L5700N 4650E	201	285	< 5	< 0.2	6.25	2550	0.5	< 2	1.49	< 0.5	32	70	216	4.21	2.24	1.37

CERTIFICATION: Rita H Buchan

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

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

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

Page Number :2-B
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Certificate Date: 02-AUG-93
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Project : EAGLE-FAIRCHILD
Comments: ATTN: M. STAMMERS/D. FULCHER CC: M. JONES CC: D. CAULFIELD

CERTIFICATE OF ANALYSIS A9317884

SAMPLE	PREP CODE		Mn ppm (ICP)	Mo ppm (ICP)	Na % (ICP)	Ni ppm (ICP)	P ppm (ICP)	Pb ppm AAS	Sr ppm (ICP)	Ti % (ICP)	V ppm (ICP)	W ppm (ICP)	Zn ppm (ICP)	La ppm ICP		
L5500N 4750E	201	285	1925	3	2.95	34	1060	6	81	0.22	107	< 10	48	50		
L5500N 4800E	201	285	1225	1	1.89	37	980	8	93	0.29	114	< 10	70	100		
L5500N 4850E	201	285	1160	1	1.22	28	1190	8	76	0.21	103	< 10	88	90		
L5500N 4900E	201	285	685	2	1.74	30	580	6	140	0.30	101	< 10	68	30		
L5500N 4950E	201	285	605	1	1.33	16	560	8	136	0.33	97	< 10	64	20		
L5500N 5000E	201	285	1100	< 1	1.38	20	540	10	150	0.30	89	< 10	56	30		
L5500N 5050E	201	285	1045	< 1	1.50	30	670	12	128	0.31	93	< 10	84	60		
L5500N 5100E	201	285	1425	< 1	2.22	30	1110	< 2	98	0.18	84	< 10	34	110		
L5500N 5150E	201	285	415	1	1.20	14	400	26	109	0.33	108	< 10	64	20		
L5500N 5200E	201	285	1155	< 1	1.33	28	830	14	192	0.25	86	< 10	88	30		
L5500N 5250E	201	285	1165	< 1	1.79	36	810	12	265	0.24	74	< 10	102	180		
L5500N 5300E	201	285	1320	2	1.43	29	770	20	105	0.29	86	< 10	170	70		
L5500N 5350E	201	285	1980	1	1.28	41	850	60	133	0.28	77	< 10	260	60		
L5500N 5400E	201	285	1425	4	1.43	30	790	22	109	0.32	91	< 10	184	80		
L5500N 5450E	201	285	1235	1	1.23	33	530	20	121	0.33	86	< 10	164	30		
L5500N 5500E	201	285	1195	< 1	1.23	31	520	22	119	0.33	85	< 10	154	20		
L5600N 4500E	201	285	1575	2	2.27	29	710	< 2	73	0.26	71	< 10	24	40		
L5600N 4550E	201	285	1535	< 1	3.21	31	950	< 2	102	0.28	70	< 10	26	20		
L5600N 4600E	201	285	1755	< 1	1.60	23	880	4	95	0.26	59	< 10	30	40		
L5600N 4650E	201	285	1140	< 1	1.26	20	700	8	135	0.32	76	< 10	50	20		
L5600N 4700E	201	285	2220	< 1	1.75	32	700	10	141	0.33	119	< 10	46	50		
L5600N 4750E	201	285	2560	2	1.67	37	1300	10	149	0.27	120	< 10	56	90		
L5600N 4800E	201	285	930	< 1	1.08	29	1030	16	132	0.40	113	< 10	106	60		
L5600N 4850E	201	285	1905	1	0.94	31	910	12	209	0.29	85	< 10	88	60		
L5600N 4900E	201	285	1535	< 1	2.23	39	1160	2	101	0.21	76	< 10	56	140		
L5600N 4950E	201	285	545	< 1	1.33	24	570	10	135	0.34	108	< 10	94	30		
L5600N 5050E	201	285	725	1	1.48	27	860	12	167	0.24	86	< 10	94	30		
L5600N 5100E	201	285	1160	2	1.20	49	920	14	164	0.25	87	< 10	136	180		
L5600N 5150E	201	285	1125	5	1.30	43	810	16	164	0.27	84	< 10	124	170		
L5600N 5200E	201	285	1335	4	1.03	55	1000	54	125	0.28	90	< 10	536	370		
L5600N 5250E	201	285	960	2	0.78	21	770	20	106	0.26	97	< 10	122	30		
L5600N 5300E	201	285	945	1	0.91	33	740	30	124	0.31	93	< 10	218	60		
L5600N 5350E	201	285	1435	2	0.92	43	950	60	118	0.22	87	< 10	452	360		
L5600N 5400E	201	285	1130	< 1	1.32	41	990	20	138	0.30	98	< 10	166	70		
L5600N 5450E	201	285	1040	< 1	1.18	38	800	20	125	0.24	92	< 10	122	70		
L5600N 5500E	201	285	1110	1	1.37	33	870	22	132	0.28	93	< 10	220	110		
L5700N 4500E	201	285	1675	< 1	2.20	30	900	< 2	87	0.22	76	< 10	36	70		
L5700N 4550E	201	285	2130	< 1	1.34	31	820	4	124	0.26	85	< 10	44	70		
L5700N 4600E	201	285	950	< 1	1.25	27	700	8	144	0.29	90	< 10	50	50		
L5700N 4650E	201	285	2670	1	1.42	28	690	4	229	0.28	95	< 10	34	50		

CERTIFICATION:

Chemex Labs Ltd.

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

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

Certificate Date: 02-AUG-93
Invoice No. :I9317884
P.O. Number :
Account :BM W

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

CERTIFICATE OF ANALYSIS A9317884

SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm AAS	Al % (ICP)	Ba ppm (ICP)	Be ppm (ICP)	Bi ppm (ICP)	Ca % (ICP)	Cd ppm (ICP)	Co ppm (ICP)	Cr ppm (ICP)	Cu ppm (ICP)	Fe % (ICP)	K % (ICP)	Mg % (ICP)
L5700N 4700E	201 285	< 5	< 0.2	6.18	1650	1.0	< 2	1.41	< 0.5	28	68	561	3.40	2.43	1.17
L5700N 4750E	201 285	15	< 0.2	6.73	990	0.5	8	1.17	< 0.5	53	71	2140	2.98	2.11	1.09
L5700N 4800E	201 285	< 5	0.8	7.23	650	0.5	6	0.71	< 0.5	16	68	66	4.10	1.55	0.92
L5700N 4850E	201 285	< 5	< 0.2	7.76	470	1.0	8	1.60	< 0.5	19	77	45	5.38	1.29	1.15
L5700N 4900E	201 285	< 5	< 0.2	11.55	790	4.5	< 2	0.57	< 0.5	10	98	121	4.82	2.59	1.17
L5700N 4950E	201 285	< 5	< 0.2	9.53	740	1.5	< 2	0.40	< 0.5	11	96	79	4.69	2.43	0.99
L5700N 5000E	201 285	< 5	< 0.2	13.40	540	6.0	< 2	0.66	< 0.5	25	86	154	3.31	1.95	1.73
L5700N 5050E	201 285	< 5	< 0.2	7.25	660	1.5	< 2	0.49	< 0.5	18	77	41	5.13	1.72	0.75
L5700N 5100E	201 285	< 5	< 0.2	10.40	810	4.0	< 2	0.48	0.5	16	94	38	5.45	2.48	1.17
L5700N 5150E	201 285	< 5	< 0.2	8.39	670	2.0	< 2	0.43	< 0.5	16	80	60	5.31	1.96	0.98
L5700N 5200E	201 285	< 5	< 0.2	9.16	700	1.5	< 2	0.58	< 0.5	40	87	367	5.16	2.02	1.05
L5700N 5250E	201 285	< 5	0.4	10.95	710	4.0	2	0.53	< 0.5	59	100	489	5.65	2.24	1.19
L5700N 5300E	201 285	< 5	0.8	10.70	620	3.0	< 2	0.42	< 0.5	34	86	301	5.58	2.07	1.13
L5700N 5350E	201 285	< 5	< 0.2	8.48	650	1.0	< 2	0.40	0.5	18	86	58	4.03	2.42	0.88
L5700N 5400E	201 285	< 5	< 0.2	8.78	610	1.5	< 2	0.44	< 0.5	9	98	29	4.14	2.44	1.12
L5700N 5450E	201 285	< 5	< 0.2	11.55	770	3.5	2	0.44	< 0.5	13	121	32	4.26	2.94	1.05
L5700N 5500E	201 285	< 5	< 0.2	11.10	770	4.0	6	0.55	< 0.5	16	124	51	5.10	2.80	1.12
L5800N 4500E	201 285	< 5	< 0.2	6.80	2200	3.0	< 2	1.02	< 0.5	13	69	157	3.04	3.44	1.26
L5800N 4550E	201 285	< 5	< 0.2	6.76	2000	1.5	< 2	1.02	< 0.5	12	73	94	3.64	3.35	1.28
L5800N 4600E	201 285	< 5	< 0.2	6.01	3420	0.5	< 2	0.94	< 0.5	6	54	12	2.37	3.58	0.67
L5800N 4650E	201 285	< 5	< 0.2	6.02	1550	2.0	2	1.59	< 0.5	38	72	564	4.01	2.30	1.04
L5800N 4700E	201 285	< 5	< 0.2	5.72	1230	2.0	4	1.68	< 0.5	11	68	34	3.90	2.24	0.90
L5800N 4750E	201 285	< 5	< 0.2	6.60	1300	4.5	< 2	1.56	< 0.5	30	79	994	3.71	2.80	1.84
L5800N 4800E	201 285	< 5	0.4	8.34	820	3.0	< 2	0.65	< 0.5	18	69	108	3.50	1.90	1.15
L5800N 4850E	201 285	< 5	0.2	8.29	730	4.5	< 2	0.75	< 0.5	23	68	103	3.99	2.19	1.38
L5800N 4900E	201 285	< 5	< 0.2	8.98	680	5.0	4	0.86	< 0.5	25	69	40	4.17	1.52	1.33
L5800N 4950E	201 285	< 5	< 0.2	8.37	690	3.5	2	0.88	< 0.5	56	73	135	4.49	1.79	1.15
L5800N 5000E	201 285	< 5	< 0.2	11.45	1050	3.0	< 2	0.23	< 0.5	18	106	35	5.40	3.10	1.27
L5800N 5050E	201 285	< 5	< 0.2	6.78	620	1.5	10	0.43	< 0.5	9	80	32	4.30	1.71	0.70
L5800N 5100E	201 285	< 5	< 0.2	7.44	620	3.5	6	0.33	< 0.5	10	69	47	4.12	1.98	0.53
L5800N 5150E	201 285	< 5	< 0.2	7.85	660	2.0	10	0.28	< 0.5	6	68	16	4.04	2.00	0.50
L5800N 5200E	201 285	< 5	< 0.2	7.87	770	3.0	4	0.59	< 0.5	13	80	53	4.23	1.86	0.90
L5800N 5250E	201 285	< 5	< 0.2	8.61	830	2.5	8	0.56	< 0.5	13	93	22	4.75	1.99	0.95
L5800N 5300E	201 285	< 5	< 0.2	8.04	800	3.0	10	0.48	< 0.5	11	82	22	4.60	1.96	0.82
L5800N 5350E	201 285	< 5	< 0.2	10.35	800	4.5	6	0.39	< 0.5	10	110	24	4.80	2.46	0.93
L5800N 5400E	201 285	< 5	< 0.2	8.15	570	2.5	4	0.80	< 0.5	24	97	124	4.83	2.28	1.34
L5800N 5450E	201 285	< 5	0.4	7.08	530	2.0	4	0.72	< 0.5	11	78	99	3.73	1.97	1.14
L5800N 5500E	201 285	< 5	1.0	6.54	500	1.5	4	0.43	0.5	12	70	69	4.34	1.72	1.05
L5900N 4500E	201 285	85	< 0.2	7.23	1420	1.0	2	1.87	< 0.5	13	71	297	3.19	3.40	1.25
L5900N 4550E	201 285	< 5	< 0.2	7.57	940	1.0	< 2	0.82	< 0.5	14	82	53	3.71	2.41	1.54

CERTIFICATION: _____

Chemex Labs Ltd.

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

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

Certificate Date: 02-AUG-93
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P.O. Number :
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Project : EAGLE-FAIRCHILD
Comments: ATTN: M. STAMMERS/D. FULCHER CC: M. JONES CC: D. CAULFIELD

CERTIFICATE OF ANALYSIS A9317884

SAMPLE	PREP CODE	Mn ppm (ICP)	Mo ppm (ICP)	Na % (ICP)	Ni ppm (ICP)	P ppm (ICP)	Pb ppm AAS	Sr ppm (ICP)	Ti % (ICP)	V ppm (ICP)	W ppm (ICP)	Zn ppm (ICP)	La ppm ICP		
L5700N 4700E	201 285	2410	2	1.74	29	1220	4	146	0.25	97	< 10	42	40		
L5700N 4750E	201 285	1950	1	2.85	29	1220	2	90	0.20	96	< 10	34	70		
L5700N 4800E	201 285	1730	3	1.19	24	640	110	124	0.28	88	< 10	264	20		
L5700N 4850E	201 285	1920	< 1	1.98	31	880	20	188	0.25	108	< 10	106	50		
L5700N 4900E	201 285	1615	1	1.30	36	490	20	132	0.23	79	< 10	98	40		
L5700N 4950E	201 285	940	2	1.00	29	330	12	99	0.30	93	< 10	76	20		
L5700N 5000E	201 285	1640	1	0.71	40	460	16	49	0.18	41	< 10	58	290		
L5700N 5050E	201 285	840	3	1.12	25	590	14	119	0.34	114	< 10	96	40		
L5700N 5100E	201 285	1295	< 1	1.15	35	900	14	137	0.26	93	< 10	116	390		
L5700N 5150E	201 285	1660	2	0.99	31	1470	18	113	0.21	90	< 10	132	160		
L5700N 5200E	201 285	1780	3	1.14	40	1270	20	132	0.28	97	< 10	174	330		
L5700N 5250E	201 285	1865	2	1.24	48	1260	48	133	0.31	96	< 10	384	570		
L5700N 5300E	201 285	1215	4	1.05	47	870	52	114	0.25	93	< 10	374	90		
L5700N 5350E	201 285	1425	1	1.01	29	750	20	86	0.33	81	< 10	216	100		
L5700N 5400E	201 285	925	< 1	1.25	19	660	34	95	0.28	103	< 10	198	30		
L5700N 5450E	201 285	695	< 1	1.14	32	710	16	121	0.22	115	< 10	102	30		
L5700N 5500E	201 285	650	< 1	1.40	35	630	26	129	0.33	130	< 10	164	40		
L5800N 4500E	201 285	1780	< 1	1.93	26	680	< 2	104	0.26	71	< 10	24	60		
L5800N 4550E	201 285	1470	1	1.93	26	770	< 2	138	0.31	86	< 10	34	70		
L5800N 4600E	201 285	555	1	1.68	14	490	6	180	0.26	83	< 10	16	10		
L5800N 4650E	201 285	2510	4	1.40	28	1110	8	205	0.27	91	< 10	48	40		
L5800N 4700E	201 285	5590	1	1.30	23	1450	6	112	0.22	87	< 10	46	40		
L5800N 4750E	201 285	3530	1	1.50	40	1110	4	94	0.24	109	< 10	46	110		
L5800N 4800E	201 285	3240	1	1.32	28	680	50	112	0.21	64	< 10	168	90		
L5800N 4850E	201 285	2180	1	1.12	32	740	166	114	0.23	62	< 10	154	40		
L5800N 4900E	201 285	1515	< 1	1.55	36	520	30	178	0.27	74	< 10	120	40		
L5800N 4950E	201 285	1220	1	1.27	39	640	42	160	0.28	79	< 10	176	60		
L5800N 5000E	201 285	1010	3	0.75	46	610	8	106	0.18	77	< 10	80	100		
L5800N 5050E	201 285	580	2	0.92	20	360	18	107	0.38	112	< 10	80	30		
L5800N 5100E	201 285	980	3	0.80	18	1050	20	104	0.28	94	< 10	86	20		
L5800N 5150E	201 285	850	1	0.79	15	1030	14	108	0.25	81	< 10	64	10		
L5800N 5200E	201 285	1060	1	1.00	31	1180	20	142	0.26	87	< 10	122	120		
L5800N 5250E	201 285	755	< 1	1.06	33	620	20	144	0.29	111	< 10	116	60		
L5800N 5300E	201 285	980	2	0.98	26	750	16	133	0.27	103	< 10	104	40		
L5800N 5350E	201 285	755	< 1	1.02	34	500	12	118	0.18	100	< 10	74	40		
L5800N 5400E	201 285	1505	< 1	1.23	39	860	56	114	0.53	130	< 10	304	70		
L5800N 5450E	201 285	1490	1	1.24	23	1020	58	88	0.22	73	< 10	300	70		
L5800N 5500E	201 285	2770	1	1.10	19	860	118	81	0.23	71	< 10	432	20		
L5900N 4500E	201 285	1390	2	2.49	26	880	< 2	92	0.28	78	< 10	28	50		
L5900N 4550E	201 285	1400	1	2.60	30	1060	2	88	0.31	101	< 10	42	60		

CERTIFICATION:

Chemex Labs Ltd.

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

To: PAMICON DEVELOPMENTS LIMITED *
WESTMIN PROJECT
711 - 675 W. HASTINGS ST.
VANCOUVER, BC
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Page Number :4-A
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CERTIFICATE OF ANALYSIS A9317884

SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm AAS	Al % (ICP)	Ba ppm (ICP)	Be ppm (ICP)	Bi ppm (ICP)	Ca % (ICP)	Cd ppm (ICP)	Co ppm (ICP)	Cr ppm (ICP)	Cu ppm (ICP)	Fe % (ICP)	K % (ICP)	Mg % (ICP)
L5900N 4600E	201 285	< 5	< 0.2	7.19	2140	1.5	2	0.95	< 0.5	10	69	19	3.72	2.68	1.22
L5900N 4650E	201 285	< 5	< 0.2	7.68	610	< 0.5	2	1.71	< 0.5	41	105	290	7.37	1.89	2.69
L5900N 4700E	201 285	< 5	< 0.2	7.38	880	1.0	2	1.22	< 0.5	20	73	87	3.52	1.87	1.21
L5900N 4750E	201 285	< 5	0.6	8.02	690	2.5	2	1.35	< 0.5	40	84	205	3.65	1.82	1.39
L5900N 4800E	201 285	< 5	0.2	9.22	1110	3.0	2	0.86	1.0	28	96	2	4.96	2.62	1.26
L5900N 4850E	201 285	< 5	0.2	7.51	780	0.5	2	0.49	< 0.5	18	82	43	5.17	1.85	0.66
L5900N 4900E	201 285	< 5	< 0.1	10.80	1060	5.0	< 2	136.0	1.0	32	92	156	5.22	2.46	1.72
L5900N 4950E	201 285	< 5	1.6	9.85	400	4.0	< 2	1.04	1.0	92	64	540	4.46	1.33	1.48
L5900N 5000E	201 285	< 5	0.2	10.15	760	2.5	2	0.39	< 0.5	28	104	197	5.62	2.32	1.16
L5900N 5050E	201 285	< 5	< 0.2	5.62	550	0.5	2	0.46	< 0.5	6	57	27	2.35	1.49	0.43
L5900N 5100E	201 285	< 5	< 0.2	10.05	1090	1.0	< 2	0.29	< 0.5	11	82	7	4.97	2.82	0.93
L5900N 5150E	201 285	< 5	< 0.2	9.38	1010	1.0	2	0.27	< 0.5	8	78	7	3.88	2.55	0.75
L5900N 5200E	201 285	< 5	< 0.2	9.59	1010	1.5	2	0.28	< 0.5	9	83	8	4.11	2.48	0.77
L5900N 5250E	201 285	< 5	< 0.2	8.90	750	1.0	< 2	0.35	< 0.5	12	96	28	5.28	2.26	0.86
L5900N 5300E	201 285	< 5	< 0.2	9.57	850	2.0	< 2	0.45	< 0.5	8	106	15	4.53	2.59	0.66
L5900N 5350E	201 285	< 5	< 0.2	11.00	1040	3.0	4	0.90	0.5	18	130	< 2	5.26	2.70	1.10
L5900N 5400E	201 285	20	0.4	8.41	660	1.0	2	0.37	< 0.5	22	91	66	4.57	2.32	0.90
L6000N 4500E	201 285	< 5	< 0.2	8.14	850	1.0	2	1.09	< 0.5	23	74	40	4.12	3.04	1.77
L6000N 4550E	201 285	< 5	< 0.2	8.87	710	2.0	2	0.74	< 0.5	15	77	53	4.01	2.62	1.31
L6000N 4600E	201 285	< 5	< 0.2	8.13	670	0.5	2	0.73	< 0.5	10	87	22	3.33	1.57	1.10
L6000N 4650E	201 285	< 5	< 0.2	8.13	720	1.0	< 2	0.86	< 0.5	23	81	38	3.77	1.83	1.18
L6000N 4700E	201 285	< 5	< 0.2	8.01	820	1.0	2	0.73	< 0.5	18	83	57	3.97	2.32	1.04
L6000N 4750E	201 285	< 5	< 0.2	7.18	780	0.5	< 2	0.62	< 0.5	15	71	45	3.37	2.18	0.86
L6000N 4800E	201 285	< 5	0.4	7.40	820	1.0	< 2	0.90	< 0.5	20	73	68	3.79	1.73	0.91
L6000N 4850E	201 285	< 5	< 0.2	8.27	1230	< 0.5	< 2	0.59	< 0.5	12	80	19	4.36	2.49	1.11
L6000N 4900E	201 285	< 5	< 0.2	10.55	840	1.0	< 2	0.36	< 0.5	15	88	80	4.83	2.31	1.17
L6000N 4950E	201 285	< 5	< 0.2	8.47	710	< 0.5	2	0.63	< 0.5	24	88	137	4.91	1.81	0.89
L6000N 5100E	201 285	< 5	< 0.2	10.00	660	0.5	< 2	0.42	< 0.5	51	90	374	5.17	2.13	1.02
L6000N 5150E	201 285	< 5	< 0.2	11.45	790	1.5	2	0.35	< 0.5	39	97	646	5.29	2.47	1.15
L6000N 5200E	201 285	< 5	< 0.2	12.30	870	0.5	< 2	0.42	< 0.5	11	122	6	4.84	2.84	1.09
L6000N 5250E	201 285	< 5	< 0.2	10.60	650	0.5	< 2	0.19	< 0.5	12	115	9	5.00	2.81	1.04
L6000N 5300E	201 285	< 5	< 0.2	7.84	790	< 0.5	< 2	0.47	< 0.5	10	91	22	4.29	2.26	0.87

CERTIFICATION: Stuart Bichler

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
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To: PAMICON DEVELOPMENTS LIMITED
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Comments: ATTN: M. STAMMERS/D. FULCHER CC: M. JONES CC: D. CAULFIELD

CERTIFICATE OF ANALYSIS A9317884

SAMPLE	PREP CODE	Mn ppm (ICP)	Mo ppm (ICP)	Na % (ICP)	Ni ppm (ICP)	P ppm (ICP)	Pb ppm AAS	Sr ppm (ICP)	Ti % (ICP)	V ppm (ICP)	W ppm (ICP)	Zn ppm (ICP)	La ppm ICP		
L5900N 4600E	201 285	2800	< 1	1.58	28	1070	4	137	0.29	94	< 10	32	40		
L5900N 4650E	201 285	1205	1	2.39	49	660	< 2	120	0.38	212	< 10	46	60		
L5900N 4700E	201 285	1405	< 1	2.55	27	840	12	101	0.29	103	< 10	44	40		
L5900N 4750E	201 285	1285	1	1.89	34	970	52	134	0.27	94	< 10	128	170		
L5900N 4800E	201 285	2280	3	1.50	31	520	16	180	0.37	96	< 10	100	60		
L5900N 4850E	201 285	1675	1	0.97	23	1270	40	112	0.35	117	< 10	166	70		
L5900N 4900E	201 285	3500	2	1.82	47	900	58	200	0.31	70	< 10	220	160		
L5900N 4950E	201 285	3510	< 1	1.75	45	980	730	163	0.20	63	< 10	702	170		
L5900N 5000E	201 285	1990	2	1.13	46	1280	38	132	0.29	99	< 10	236	490		
L5900N 5050E	201 285	530	1	0.85	13	1230	20	107	0.22	79	< 10	60	30		
L5900N 5100E	201 285	1110	< 1	0.82	30	620	16	119	0.16	79	< 10	84	10		
L5900N 5150E	201 285	1135	1	0.86	25	630	14	122	0.14	76	< 10	64	10		
L5900N 5200E	201 285	1345	< 1	0.93	25	650	16	124	0.16	79	< 10	66	10		
L5900N 5250E	201 285	960	2	0.88	29	590	20	100	0.28	108	< 10	84	20		
L5900N 5300E	201 285	520	1	0.97	23	490	20	132	0.27	120	< 10	72	20		
L5900N 5350E	201 285	690	3	1.20	44	610	22	190	0.29	120	< 10	88	90		
L5900N 5400E	201 285	1050	3	1.15	35	970	28	104	0.35	99	< 10	202	90		
L6000N 4500E	201 285	1350	< 1	2.10	35	880	4	95	0.30	104	< 10	46	80		
L6000N 4550E	201 285	1690	< 1	2.00	33	790	4	86	0.24	91	< 10	38	80		
L6000N 4600E	201 285	575	< 1	2.23	31	480	12	133	0.32	106	< 10	54	30		
L6000N 4650E	201 285	1055	1	1.91	35	820	90	173	0.31	96	< 10	126	60		
L6000N 4700E	201 285	1370	< 1	1.08	28	800	24	225	0.32	96	< 10	108	90		
L6000N 4750E	201 285	1430	1	0.92	22	780	22	184	0.29	85	< 10	88	60		
L6000N 4800E	201 285	3320	2	1.24	24	670	56	160	0.32	88	< 10	172	40		
L6000N 4850E	201 285	1610	< 1	1.16	28	670	20	149	0.35	84	< 10	102	20		
L6000N 4900E	201 285	1870	2	0.82	38	760	36	102	0.29	81	< 10	264	60		
L6000N 4950E	201 285	1510	2	1.20	37	630	36	162	0.41	109	< 10	206	90		
L6000N 5100E	201 285	1950	5	1.06	49	790	40	126	0.36	89	< 10	256	230		
L6000N 5150E	201 285	2090	7	1.03	54	830	20	119	0.19	93	< 10	200	360		
L6000N 5200E	201 285	720	< 1	0.80	44	500	24	140	0.13	105	< 10	80	30		
L6000N 5250E	201 285	595	< 1	0.87	35	370	10	70	0.15	97	< 10	64	20		
L6000N 5300E	201 285	985	2	1.09	23	480	38	112	0.32	105	< 10	134	30		

CERTIFICATION: Hartt Bichler

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

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

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

A9317886

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

CERTIFICATE A9317886

PAMICON DEVELOPMENTS LIMITED

Project: SLAB NW-FAIRCHILD
P.O. # :

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

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
201	71	Dry, sieve to -80 mesh
203	4	Dry, sieve to -35 mesh
205	4	Geochem ring to approx 150 mesh
285	75	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	75	Au ppb: Fuse 10 g sample	FA-AAS	5	10000
578	75	Ag ppm: 24 element, rock & core	AAS	0.5	200
573	75	Al %: 24 element, rock & core	ICP-AES	0.01	25.0
565	75	Ba ppm: 24 element, rock & core	ICP-AES	10	10000
575	75	Be ppm: 24 element, rock & core	ICP-AES	0.5	10000
561	75	Bi ppm: 24 element, rock & core	ICP-AES	2	10000
576	75	Ca %: 24 element, rock & core	ICP-AES	0.01	25.0
562	75	Cd ppm: 24 element, rock & core	ICP-AES	0.5	10000
563	75	Co ppm: 24 element, rock & core	ICP-AES	1	10000
569	75	Cr ppm: 24 element, rock & core	ICP-AES	1	10000
577	75	Cu ppm: 24 element, rock & core	ICP-AES	1	10000
566	75	Fe %: 24 element, rock & core	ICP-AES	0.01	25.0
584	75	K %: 24 element, rock & core	ICP-AES	0.01	20.0
570	75	Mg %: 24 element, rock & core	ICP-AES	0.01	20.0
568	75	Mn ppm: 24 element, rock & core	ICP-AES	5	10000
554	75	Mo ppm: 24 element, rock & core	ICP-AES	1	10000
583	75	Na %: 24 element, rock & core	ICP-AES	0.01	5.00
564	75	Ni ppm: 24 element, rock & core	ICP-AES	1	10000
559	75	P ppm: 24 element, rock & core	ICP-AES	10	10000
560	75	Pb ppm: 24 element, rock & core	AAS	2	10000
582	75	Sr ppm: 24 element, rock & core	ICP-AES	1	10000
579	75	Ti %: 24 element, rock & core	ICP-AES	0.01	10.00
572	75	V ppm: 24 element, rock & core	ICP-AES	1	10000
556	75	W ppm: 24 element, rock & core	ICP-AES	10	10000
558	75	Zn ppm: 24 element, rock & core	ICP-AES	2	10000
1006	75	La ppm: 20 element, rock ID	ICP-AES	10	10000

Chemex Labs Ltd.

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

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

Certificate Date: 03-AUG-93
Invoice No. :I9317886
P.O. Number :
Account :BM W

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

CERTIFICATE OF ANALYSIS A9317886

SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm AAS	Al % (ICP)	Ba ppm (ICP)	Be ppm (ICP)	Bi ppm (ICP)	Ca % (ICP)	Cd ppm (ICP)	Co ppm (ICP)	Cr ppm (ICP)	Cu ppm (ICP)	Fe % (ICP)	K % (ICP)	Mg % (ICP)
L2600E 5000N	201	285	< 5	< 0.2	3.85	440	< 0.5	< 2	2.35	< 0.5	8	52	73	2.18	1.35	0.73
L2600E 5050N	201	285	< 5	< 0.2	6.66	610	1.0	< 2	0.84	< 0.5	11	73	29	3.48	2.11	0.78
L2600E 5100N	201	285	< 5	< 0.2	6.85	630	1.0	< 2	1.41	< 0.5	16	77	125	2.38	2.15	1.06
L2600E 5150N	201	285	< 5	< 0.2	5.31	460	1.0	< 2	1.47	< 0.5	19	68	98	3.47	1.72	0.98
L2600E 5200N	201	285	< 5	< 0.2	5.75	510	1.0	< 2	1.90	< 0.5	25	71	150	3.80	1.94	0.99
L2600E 5250N	201	285	< 5	< 0.2	5.30	480	1.0	< 2	1.71	< 0.5	27	69	89	3.80	1.71	0.87
L2600E 5300N	201	285	< 5	< 0.2	5.58	520	1.0	< 2	1.54	0.5	15	64	79	3.75	1.82	0.85
L2600E 5350N	201	285	< 5	< 0.2	5.25	490	1.0	2	1.77	0.5	18	64	102	3.79	1.70	0.82
L2600E 5400N	201	285	< 5	< 0.2	4.98	490	1.0	< 2	2.57	0.5	13	60	70	2.97	1.49	0.84
L2600E 5450N	201	285	< 5	< 0.2	6.24	640	1.5	< 2	1.60	0.5	16	73	56	4.03	1.82	0.92
L2600E 5500N	201	285	< 5	< 0.2	6.11	570	1.0	2	0.69	< 0.5	15	76	40	3.97	1.57	0.88
L2600E 5550N	201	285	< 5	< 0.2	6.48	640	1.5	2	0.93	< 0.5	18	78	54	3.94	2.01	0.85
L2600E 5600N	201	285	< 5	< 0.2	5.67	600	1.0	< 2	1.51	< 0.5	19	90	44	4.05	1.77	1.23
L2600E 5650N	201	285	< 5	< 0.2	6.05	580	1.0	2	1.22	< 0.5	19	73	69	4.41	1.69	0.99
L2600E 5700N	201	285	35	< 0.2	5.60	520	1.5	< 2	0.88	< 0.5	15	66	45	4.02	1.74	0.88
L2600E 5750N	201	285	< 5	< 0.2	7.07	680	2.0	2	0.67	< 0.5	18	86	43	4.52	1.84	0.89
L2600E 5800N	201	285	< 5	< 0.2	6.86	730	1.5	2	1.03	< 0.5	21	109	71	4.64	2.05	1.27
L2600E 5850N	201	285	< 5	< 0.2	5.13	520	0.5	< 2	1.50	< 0.5	14	64	52	3.25	1.59	0.91
L2600E 5900N	201	285	< 5	< 0.2	6.15	590	2.0	2	1.47	< 0.5	33	72	114	4.24	1.85	0.82
L2600E 5950N	201	285	< 5	< 0.2	6.30	660	0.5	< 2	0.61	< 0.5	10	71	34	2.93	1.73	0.60
L2600E 6000N	201	285	< 5	< 0.2	6.99	700	1.0	< 2	0.68	< 0.5	51	76	76	3.95	1.71	0.69
L3000E 5000N	201	285	< 5	< 0.2	5.52	610	0.5	< 2	1.39	< 0.5	11	67	39	2.97	1.72	0.73
L3000E 5050N	201	285	10	< 0.2	2.85	320	0.5	< 2	1.70	< 0.5	5	38	78	1.64	0.84	0.56
L3000E 5100N	201	285	< 5	< 0.2	6.16	600	1.5	< 2	1.66	< 0.5	19	74	114	3.44	2.10	1.10
L3000E 5150N	201	285	< 5	< 0.2	6.33	620	1.0	< 2	1.61	< 0.5	17	80	151	3.55	2.01	1.09
L3000E 5200N	201	285	< 5	< 0.2	7.12	700	0.5	2	1.31	< 0.5	22	91	117	4.11	2.37	1.16
L3000E 5250N	201	285	< 5	< 0.2	6.44	500	1.0	< 2	1.56	< 0.5	18	90	83	3.90	2.17	0.96
L3000E 5300N	201	285	< 5	< 0.2	6.75	490	< 0.5	2	2.28	< 0.5	28	95	62	3.84	2.25	0.97
L3000E 5350N	201	285	< 5	< 0.2	3.90	420	< 0.5	2	2.75	< 0.5	10	53	57	2.40	1.25	0.76
L3000E 5400N	201	285	< 5	< 0.2	6.19	490	1.0	2	2.53	< 0.5	18	77	81	4.10	2.00	1.03
L3000E 5450N	201	285	< 5	< 0.2	6.15	500	0.5	< 2	2.31	< 0.5	18	76	94	4.29	1.89	1.03
L3000E 5500N	201	285	< 5	0.4	6.64	620	1.0	< 2	0.66	< 0.5	17	77	38	4.24	1.64	0.84
L3000E 5550N	201	285	10	< 0.2	6.97	680	0.5	< 2	0.91	< 0.5	19	116	125	3.68	2.13	1.21
L3000E 5600N	201	285	< 5	0.6	3.78	330	0.5	2	1.53	0.5	11	49	88	2.31	1.42	1.01
L3000E 5650N	201	285	< 5	0.4	3.66	330	0.5	2	2.84	< 0.5	18	49	55	2.44	1.06	0.89
L3000E 5700N	201	285	< 5	0.4	6.02	410	1.0	< 2	1.47	< 0.5	22	69	64	4.38	1.91	1.62
L3000E 5750N	201	285	5	< 0.2	5.43	400	1.5	2	1.71	< 0.5	24	60	98	4.62	1.47	0.83
L3000E 5800N	201	285	10	< 0.2	6.97	540	1.5	2	0.88	< 0.5	22	74	101	5.30	1.77	0.88
L3400E 5050N	201	285	< 5	< 0.2	5.75	470	2.0	4	1.35	< 0.5	35	68	140	3.58	1.81	0.84
L3400E 5100N	201	285	< 5	< 0.2	5.33	470	1.5	< 2	2.12	< 0.5	35	68	187	3.11	1.59	1.00

CERTIFICATION: Stuart Bichler

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

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To: PAMICON DEVELOPMENTS LIMITED
WESTMIN PROJECT
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VANCOUVER, BC
V6B 1N4

Page Number :1-B
Total Pages :2
Certificate Date: 03-AUG-93
Invoice No. :I9317886
P.O. Number :
Account :BM W

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

CERTIFICATE OF ANALYSIS A9317886

SAMPLE	PREP CODE		Mn ppm (ICP)	Mo ppm (ICP)	Na % (ICP)	Ni ppm (ICP)	P ppm (ICP)	Pb ppm AAS	Sr ppm (ICP)	Ti % (ICP)	V ppm (ICP)	W ppm (ICP)	Zn ppm (ICP)	La ppm ICP		
L2600E 5000N	201	285	615	1	0.33	20	870	22	58	0.17	77	< 10	142	20		
L2600E 5050N	201	285	750	1	0.78	20	440	22	69	0.35	82	< 10	88	50		
L2600E 5100N	201	285	270	< 1	0.80	34	650	22	78	0.22	85	< 10	498	30		
L2600E 5150N	201	285	1790	1	0.59	29	750	32	65	0.21	72	< 10	460	30		
L2600E 5200N	201	285	2540	1	0.59	34	940	40	69	0.19	78	< 10	580	30		
L2600E 5250N	201	285	3130	1	0.57	33	730	42	66	0.18	70	< 10	656	30		
L2600E 5300N	201	285	1745	2	0.64	29	750	56	72	0.19	73	< 10	876	30		
L2600E 5350N	201	285	1550	1	0.56	30	820	46	70	0.19	72	< 10	1055	30		
L2600E 5400N	201	285	1265	< 1	0.47	26	860	26	73	0.17	74	< 10	600	20		
L2600E 5450N	201	285	1875	1	0.55	30	730	48	75	0.24	105	< 10	692	40		
L2600E 5500N	201	285	1310	< 1	0.63	30	460	34	84	0.28	105	< 10	118	40		
L2600E 5550N	201	285	1400	1	0.83	28	550	30	87	0.25	100	< 10	136	40		
L2600E 5600N	201	285	2610	2	0.73	38	640	50	83	0.24	79	< 10	402	30		
L2600E 5650N	201	285	3570	1	0.66	31	970	36	78	0.25	96	< 10	144	40		
L2600E 5700N	201	285	4850	3	0.51	26	790	30	64	0.24	85	< 10	112	40		
L2600E 5750N	201	285	935	1	0.89	35	440	32	99	0.35	122	< 10	2230	50		
L2600E 5800N	201	285	2070	2	1.17	42	600	28	107	0.32	103	< 10	148	40		
L2600E 5850N	201	285	2300	1	0.86	29	980	30	77	0.18	68	< 10	218	20		
L2600E 5900N	201	285	1870	2	0.90	52	920	32	94	0.24	77	< 10	308	80		
L2600E 5950N	201	285	695	< 1	0.76	17	620	28	94	0.30	109	< 10	74	40		
L2600E 6000N	201	285	2230	4	0.72	51	770	38	97	0.22	90	< 10	276	80		
L3000E 5000N	201	285	740	1	0.53	19	620	28	65	0.25	93	< 10	138	30		
L3000E 5050N	201	285	615	2	0.23	15	680	24	42	0.12	49	< 10	84	10		
L3000E 5100N	201	285	1250	2	0.70	27	880	28	75	0.24	92	< 10	170	50		
L3000E 5150N	201	285	1315	2	0.69	31	840	28	78	0.24	96	< 10	162	30		
L3000E 5200N	201	285	1445	1	0.87	35	700	26	87	0.29	107	< 10	130	40		
L3000E 5250N	201	285	2530	1	0.46	34	840	20	64	0.23	86	< 10	124	30		
L3000E 5300N	201	285	2100	1	0.46	33	870	14	63	0.19	83	< 10	124	30		
L3000E 5350N	201	285	1250	1	0.36	18	970	20	59	0.14	67	< 10	354	10		
L3000E 5400N	201	285	2600	< 1	0.66	27	740	24	80	0.19	81	< 10	530	30		
L3000E 5450N	201	285	3270	3	0.58	30	780	30	74	0.21	86	< 10	888	30		
L3000E 5500N	201	285	1580	1	0.74	30	360	38	83	0.30	107	< 10	370	40		
L3000E 5550N	201	285	580	1	1.29	47	510	14	100	0.35	92	< 10	102	50		
L3000E 5600N	201	285	1215	1	0.36	24	960	78	50	0.11	45	< 10	320	30		
L3000E 5650N	201	285	1480	2	0.35	33	1100	28	65	0.12	47	< 10	186	20		
L3000E 5700N	201	285	2020	6	0.39	31	940	28	67	0.14	69	< 10	178	40		
L3000E 5750N	201	285	1360	8	0.52	43	1160	34	86	0.17	62	< 10	180	60		
L3000E 5800N	201	285	1230	6	0.63	38	1400	40	84	0.23	80	< 10	242	70		
L3400E 5050N	201	285	1725	1	0.64	39	750	20	62	0.21	73	< 10	206	40		
L3400E 5100N	201	285	1540	1	0.64	32	920	22	66	0.19	76	< 10	174	30		

CERTIFICATION: Stuart Buchler

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
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To: PAMICON DEVELOPMENTS LIMITED
WESTMIN PROJECT
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Certificate Date: 03-AUG-93
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Project : SLAB NW-FAIRCHILD
Comments: ATTN: M. STAMMERS/D. FULCHER CC: M. JONES CC: D. CAULFIELD

CERTIFICATE OF ANALYSIS A9317886

SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm AAS	Al % (ICP)	Ba ppm (ICP)	Be ppm (ICP)	Bi ppm (ICP)	Ca % (ICP)	Cd ppm (ICP)	Co ppm (ICP)	Cr ppm (ICP)	Cu ppm (ICP)	Fe % (ICP)	K % (ICP)	Mg % (ICP)
L3400E 5150N	201	285	< 5	< 0.2	5.45	600	0.5	< 2	2.46	< 0.5	21	68	148	3.25	1.73	0.98
L3400E 5200N	201	285	10	< 0.2	6.67	630	0.5	2	1.19	< 0.5	27	86	145	4.12	1.96	1.11
L3400E 5250N	201	285	< 5	< 0.2	5.93	580	0.5	< 2	2.35	< 0.5	25	76	157	3.64	1.71	1.05
L3400E 5300N	201	285	< 5	< 0.2	8.09	670	1.0	< 2	1.58	< 0.5	51	99	184	4.95	2.36	1.48
L3400E 5350N	201	285	< 5	0.4	5.91	590	0.5	2	1.86	< 0.5	27	73	128	3.88	1.74	1.00
L3400E 5400N	201	285	10	0.2	7.20	730	2.0	< 2	1.20	< 0.5	26	90	181	5.11	2.23	1.16
L3400E 5450N	201	285	< 5	0.2	7.48	730	1.5	2	1.03	< 0.5	32	88	141	4.90	2.14	1.20
L3400E 5500N	201	285	< 5	0.4	5.39	470	1.0	< 2	1.70	< 0.5	23	62	96	3.82	1.43	0.84
L3400E 5550N	201	285	< 5	0.4	5.99	500	1.5	< 2	1.15	0.5	24	63	70	4.66	1.65	0.74
L3400E 5600N	201	285	< 5	0.6	5.17	430	0.5	2	1.51	2.5	25	57	83	4.65	1.63	0.73
L3800E 4950N	201	285	< 5	0.4	5.42	450	1.5	< 2	1.52	< 0.5	18	63	97	3.04	1.78	0.78
L3800E 5000N	201	285	< 5	0.4	7.25	540	3.0	< 2	1.10	< 0.5	28	71	123	4.03	2.28	1.11
L3800E 5050N	201	285	5	0.4	6.37	490	2.0	2	1.08	< 0.5	30	64	123	3.70	1.82	0.82
L3800E 5100N	201	285	25	0.4	7.01	520	3.0	4	1.12	< 0.5	44	71	158	4.23	2.17	0.98
L3800E 5150N	203	205	< 5	< 0.2	5.67	460	1.5	6	2.36	0.5	12	94	39	2.55	1.89	1.14
L3800E 5200N	203	205	< 5	< 0.2	2.41	240	0.5	6	2.59	1.0	16	43	72	1.58	0.73	0.68
L3800E 5250N	201	285	15	< 0.2	6.20	490	2.0	< 2	2.42	0.5	21	65	104	3.55	1.93	1.60
L3800E 5300N	203	205	20	< 0.2	6.41	430	1.5	< 2	2.34	1.5	18	97	100	2.96	1.86	0.99
L3800E 5350N	201	285	< 5	0.4	7.87	580	3.0	< 2	0.87	< 0.5	31	72	223	4.48	2.26	1.12
L3800E 5400N	201	285	< 5	< 0.2	6.45	440	1.0	< 2	3.23	< 0.5	34	66	133	4.43	2.12	1.16
L3800E 5450N	201	285	< 5	< 0.2	6.51	590	5.0	< 2	1.30	< 0.5	32	73	157	4.91	1.89	1.04
L3800E 5500N	201	285	15	< 0.2	6.28	590	4.0	< 2	1.35	< 0.5	31	67	203	4.50	1.92	1.18
L3800E 5550N	201	285	< 5	< 0.2	6.34	490	5.0	< 2	0.88	< 0.5	36	67	149	5.30	1.79	0.83
L3800E 5600N	201	285	< 5	0.4	5.48	420	4.5	< 2	1.96	< 0.5	37	61	244	5.06	1.79	0.94
L4200E 5000N	201	285	5	< 0.2	3.25	280	1.5	< 2	2.96	< 0.5	13	45	72	2.15	0.95	1.00
L4200E 5050N	201	285	< 5	< 0.2	6.21	540	3.5	< 2	0.89	< 0.5	18	75	61	3.93	1.61	0.96
L4200E 5100N	201	285	10	< 0.2	5.34	540	0.5	< 2	1.92	< 0.5	18	66	90	3.55	1.45	0.88
L4200E 5150N	203	205	< 5	< 0.2	4.50	350	0.5	< 2	2.69	< 0.5	13	78	67	2.34	1.55	1.01
L4200E 5200N	201	285	< 5	< 0.2	5.85	520	1.0	< 2	1.23	0.5	26	68	96	4.07	1.47	0.89
L4200E 5350N	201	285	< 5	< 0.2	4.82	420	0.5	< 2	1.91	< 0.5	22	61	79	3.32	1.20	0.85
L4200E 5400N	201	285	20	< 0.2	5.24	460	1.0	< 2	1.47	< 0.5	34	63	143	4.19	1.44	0.83
L4200E 5450N	201	285	20	< 0.2	4.82	480	0.5	< 2	1.96	< 0.5	31	61	113	3.71	1.22	0.80
L4200E 5500N	201	285	10	< 0.2	5.61	510	3.0	< 2	1.39	< 0.5	35	57	110	4.05	1.31	0.88
L4200E 5550N	201	285	5	0.2	7.28	680	3.5	< 2	1.12	< 0.5	52	79	212	5.38	1.80	1.17
L4200E 5600N	201	285	< 5	0.2	5.46	410	1.5	< 2	1.49	< 0.5	43	61	191	4.92	1.52	1.02

CERTIFICATION: Stuart Buchan

Chemex Labs Ltd.

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

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

Certificate Date: 03-AUG-93
Invoice No. :19317886
P.O. Number :
Account :BM W

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

CERTIFICATE OF ANALYSIS A9317886

SAMPLE	PREP CODE		Mn ppm (ICP)	Mo ppm (ICP)	Na % (ICP)	Ni ppm (ICP)	P ppm (ICP)	Pb ppm AAS	Sr ppm (ICP)	Ti % (ICP)	V ppm (ICP)	W ppm (ICP)	Zn ppm (ICP)	La ppm ICP		
L3400E 5150N	201	285	1510	2	0.60	29	930	28	77	0.21	90	< 10	148	20		
L3400E 5200N	201	285	1485	< 1	0.91	38	520	24	87	0.27	99	< 10	108	40		
L3400E 5250N	201	285	1540	1	0.75	31	950	28	78	0.22	90	< 10	130	30		
L3400E 5300N	201	285	3030	3	0.85	63	680	24	79	0.30	100	< 10	116	50		
L3400E 5350N	201	285	1715	< 1	0.82	37	1000	30	74	0.19	76	< 10	238	40		
L3400E 5400N	201	285	1915	2	1.25	54	740	30	89	0.26	88	< 10	262	60		
L3400E 5450N	201	285	2320	1	1.46	54	590	26	83	0.23	80	< 10	204	50		
L3400E 5500N	201	285	1865	2	0.49	34	970	36	62	0.16	64	< 10	254	60		
L3400E 5550N	201	285	3430	3	0.46	33	1150	74	60	0.17	73	< 10	700	50		
L3400E 5600N	201	285	3620	2	0.33	36	980	102	43	0.11	56	< 10	808	50		
L3800E 4950N	201	285	1110	2	0.43	33	760	40	57	0.15	67	< 10	254	40		
L3800E 5000N	201	285	985	1	0.60	47	750	42	63	0.18	70	< 10	326	70		
L3800E 5050N	201	285	1290	2	0.47	43	720	48	57	0.15	67	< 10	364	60		
L3800E 5100N	201	285	1490	1	0.58	63	830	54	61	0.17	69	< 10	422	70		
L3800E 5150N	203	205	1355	< 1	0.47	20	680	36	56	0.15	60	< 10	292	30		
L3800E 5200N	203	205	1160	1	0.17	19	1060	42	44	0.07	30	< 10	508	30		
L3800E 5250N	201	285	1795	3	0.49	30	1200	54	61	0.15	71	< 10	466	50		
L3800E 5300N	203	205	1200	2	0.48	25	1060	34	60	0.17	62	< 10	294	40		
L3800E 5350N	201	285	1905	1	0.56	37	790	38	60	0.17	69	< 10	322	70		
L3800E 5400N	201	285	2830	2	0.48	47	850	26	63	0.15	66	< 10	152	30		
L3800E 5450N	201	285	3390	4	0.94	37	760	38	69	0.23	82	< 10	202	50		
L3800E 5500N	201	285	3260	1	0.95	34	750	24	67	0.21	71	< 10	166	40		
L3800E 5550N	201	285	3400	3	0.73	34	820	52	54	0.20	76	< 10	382	40		
L3800E 5600N	201	285	3710	3	0.51	40	930	46	50	0.16	61	< 10	348	40		
L4200E 5000N	201	285	1140	2	0.26	15	960	18	58	0.12	56	< 10	146	10		
L4200E 5050N	201	285	1090	2	0.59	29	590	34	68	0.29	127	< 10	154	40		
L4200E 5100N	201	285	1610	2	0.54	31	1040	32	71	0.22	102	< 10	180	30		
L4200E 5150N	203	205	1365	1	0.37	20	820	20	44	0.14	63	< 10	106	20		
L4200E 5200N	201	285	2260	1	0.73	35	1020	36	65	0.25	100	< 10	200	40		
L4200E 5350N	201	285	1710	3	0.63	30	1120	28	59	0.21	84	< 10	230	30		
L4200E 5400N	201	285	3040	2	0.75	38	1150	30	52	0.19	75	< 10	168	40		
L4200E 5450N	201	285	2480	4	0.85	34	1260	30	57	0.19	67	< 10	102	30		
L4200E 5500N	201	285	2620	3	1.00	39	1240	22	50	0.18	63	< 10	58	60		
L4200E 5550N	201	285	3290	2	1.21	54	1700	36	62	0.24	82	< 10	118	80		
L4200E 5600N	201	285	4650	1	0.79	45	1340	42	48	0.20	66	< 10	138	50		

CERTIFICATION: Stewart Bichler

Chemex Labs Ltd.

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

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

A9317878

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

CERTIFICATE A9317878

PAMICON DEVELOPMENTS LIMITED

Project: SLAB-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
201	32	Dry, sieve to -80 mesh
285	32	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	32	Au ppb: Fuse 10 g sample	FA-AAS	5	10000
578	32	Ag ppm: 24 element, rock & core	AAS	0.5	200
573	32	Al %: 24 element, rock & core	ICP-AES	0.01	25.0
565	32	Ba ppm: 24 element, rock & core	ICP-AES	10	10000
575	32	Be ppm: 24 element, rock & core	ICP-AES	0.5	10000
561	32	Bi ppm: 24 element, rock & core	ICP-AES	2	10000
576	32	Ca %: 24 element, rock & core	ICP-AES	0.01	25.0
562	32	Cd ppm: 24 element, rock & core	ICP-AES	0.5	10000
563	32	Co ppm: 24 element, rock & core	ICP-AES	1	10000
569	32	Cr ppm: 24 element, rock & core	ICP-AES	1	10000
577	32	Cu ppm: 24 element, rock & core	ICP-AES	1	10000
566	32	Fe %: 24 element, rock & core	ICP-AES	0.01	25.0
584	32	K %: 24 element, rock & core	ICP-AES	0.01	20.0
570	32	Mg %: 24 element, rock & core	ICP-AES	0.01	20.0
568	32	Mn ppm: 24 element, rock & core	ICP-AES	5	10000
554	32	Mo ppm: 24 element, rock & core	ICP-AES	1	10000
583	32	Na %: 24 element, rock & core	ICP-AES	0.01	5.00
564	32	Ni ppm: 24 element, rock & core	ICP-AES	1	10000
559	32	P ppm: 24 element, rock & core	ICP-AES	10	10000
560	32	Pb ppm: 24 element, rock & core	AAS	2	10000
582	32	Sr ppm: 24 element, rock & core	ICP-AES	1	10000
579	32	Ti %: 24 element, rock & core	ICP-AES	0.01	10.00
572	32	V ppm: 24 element, rock & core	ICP-AES	1	10000
556	32	W ppm: 24 element, rock & core	ICP-AES	10	10000
558	32	Zn ppm: 24 element, rock & core	ICP-AES	2	10000
1006	32	La ppm: 20 element, rock ID	ICP-AES	10	10000

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
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PHONE: 604-984-0221

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

Page Number : 1-A
Total Pages : 1
Certificate Date: 31-JUL-93
Invoice No. : I9317878
P.O. Number :
Account : BM W

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

CERTIFICATE OF ANALYSIS A9317878

SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm AAS	Al % (ICP)	Ba ppm (ICP)	Be ppm (ICP)	Bi ppm (ICP)	Ca % (ICP)	Cd ppm (ICP)	Co ppm (ICP)	Cr ppm (ICP)	Cu ppm (ICP)	Fe % (ICP)	K % (ICP)	Mg % (ICP)
L4600E 4950N	201	285	< 5	< 0.2	5.30	1320	1.0	2	2.55	0.5	23	48	245	2.86	1.92	0.83
L4600E 5000N	201	285	< 5	0.4	8.00	1600	2.0	4	2.02	< 0.5	44	59	152	5.10	3.08	0.87
L4600E 5050N	201	285	< 5	0.2	6.07	1480	1.5	4	2.52	0.5	34	51	195	4.31	2.38	0.82
L4600E 5100N	201	285	< 5	< 0.2	4.43	1440	1.5	2	2.61	< 0.5	21	38	132	3.10	1.88	0.61
L4600E 5150N	201	285	< 5	0.2	7.95	1650	3.0	6	1.32	< 0.5	39	63	189	5.50	3.07	0.78
L4600E 5200N	201	285	< 5	0.4	5.67	1260	1.5	2	1.84	< 0.5	36	49	202	3.87	2.23	0.66
L4600E 5250N	201	285	< 5	0.2	6.67	1320	3.0	6	1.21	< 0.5	44	63	304	4.02	2.81	0.78
L4600E 5300N	201	285	15	0.4	9.15	2700	3.0	8	1.00	0.5	46	76	210	6.54	3.61	0.83
L4600E 5350N	201	285	< 5	0.2	10.55	2360	4.0	8	0.27	< 0.5	26	89	181	8.53	4.46	0.49
L4600E 5400N	201	285	< 5	0.4	6.90	1210	3.0	4	4.30	1.0	24	65	86	3.08	2.99	1.22
L4600E 5500N	201	285	< 5	0.8	6.55	1150	2.0	< 2	3.15	< 0.5	45	180	112	5.25	3.39	2.96
L5000E 5000N	201	285	< 5	< 0.2	6.50	840	1.5	2	1.52	< 0.5	27	84	150	4.39	2.45	1.20
L5000E 5050N	201	285	< 5	0.4	4.36	910	0.5	4	2.46	0.5	19	42	149	2.91	1.63	0.70
L5000E 5100N	201	285	< 5	0.4	4.23	950	0.5	6	2.41	< 0.5	22	41	154	3.13	1.65	0.70
L5000E 5150N	201	285	10	0.8	7.03	1230	2.0	4	1.45	< 0.5	43	60	274	4.49	2.35	0.83
L5000E 5200N	201	285	< 5	0.6	5.70	1200	1.5	2	2.28	0.5	30	57	404	3.87	2.26	0.99
L5000E 5250N	201	285	< 5	0.4	4.20	750	1.0	< 2	2.89	< 0.5	20	42	394	2.34	1.60	0.85
L5000E 5300N	201	285	15	1.2	7.43	1000	3.0	8	1.38	< 0.5	58	81	826	4.49	3.08	1.41
L5000E 5350N	201	285	15	1.0	7.37	970	2.5	6	1.34	< 0.5	48	72	542	4.31	2.79	1.06
L5000E 5400N	201	285	< 5	0.8	5.89	740	1.5	6	1.31	< 0.5	51	65	411	4.18	2.09	0.91
L5000E 5450N	201	285	< 5	0.4	6.94	950	2.0	4	1.23	< 0.5	95	43	480	3.68	2.09	0.61
L5000E 5500N	201	285	< 5	< 0.2	6.66	1350	2.0	2	1.36	< 0.5	53	57	511	6.82	2.07	0.67
L5000E 5550N	201	285	15	< 0.2	7.05	1210	1.5	2	1.09	< 0.5	38	64	337	7.50	2.74	0.68
L5000E 5600N	201	285	< 5	0.2	9.68	1770	2.5	2	0.47	< 0.5	24	74	62	4.73	3.84	0.67
L5000E 5650N	201	285	< 5	< 0.2	6.32	1810	2.0	2	1.13	< 0.5	33	63	158	4.96	1.87	0.90
L5000E 5700N	201	285	< 5	0.2	3.38	1320	1.0	2	2.46	0.5	26	28	128	2.82	1.16	0.63
L5000E 5750N	201	285	< 5	< 0.2	7.09	1140	2.0	< 2	0.79	1.0	37	88	113	5.13	2.13	1.28
L5000E 5800N	201	285	15	< 0.2	5.85	1170	1.0	< 2	0.91	< 0.5	36	50	63	8.89	1.22	0.56
L5000E 5850N	201	285	< 5	0.4	5.55	1010	1.5	< 2	1.77	0.5	26	39	60	4.43	2.37	1.08
L5000E 5900N	201	285	< 5	< 0.2	5.93	540	2.0	4	0.99	1.0	23	43	60	5.14	2.30	0.95
L5000E 5950N	201	285	< 5	0.4	4.55	460	1.5	< 2	1.80	1.0	20	36	80	4.39	1.94	0.88
L5000E 6000N	201	285	< 5	0.4	5.22	450	2.5	< 2	1.63	0.5	24	39	87	5.15	2.52	1.25

CERTIFICATION: Ian Bichler

Chemex Labs Ltd.

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PHONE: 604-984-0221

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

Page Number : 1-B
Total Pages : 1
Certificate Date: 31-JUL-93
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Account : BM W

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

CERTIFICATE OF ANALYSIS A9317878

SAMPLE	PREP CODE		Mn ppm (ICP)	Mo ppm (ICP)	Na % (ICP)	Ni ppm (ICP)	P ppm (ICP)	Pb ppm AAS	Sr ppm (ICP)	Ti % (ICP)	V ppm (ICP)	W ppm (ICP)	Zn ppm (ICP)	La ppm ICP		
L4600E 4950N	201	285	1250	1	0.76	25	1010	12	76	0.18	69	< 10	76	20		
L4600E 5000N	201	285	1620	2	1.98	35	780	< 2	76	0.19	74	< 10	30	60		
L4600E 5050N	201	285	1315	1	1.50	28	940	2	72	0.17	66	< 10	34	40		
L4600E 5100N	201	285	910	1	0.86	22	1000	4	62	0.15	52	< 10	36	30		
L4600E 5150N	201	285	1150	3	1.65	36	960	4	68	0.22	77	< 10	34	70		
L4600E 5200N	201	285	2050	3	1.13	32	1180	8	64	0.18	61	< 10	44	50		
L4600E 5250N	201	285	1780	2	1.24	41	1060	12	62	0.23	67	< 10	70	60		
L4600E 5300N	201	285	1920	1	2.02	41	980	4	82	0.26	87	< 10	34	90		
L4600E 5350N	201	285	490	< 1	0.61	36	980	< 2	48	0.31	93	< 10	22	120		
L4600E 5400N	201	285	2170	< 1	1.41	40	1020	2	143	0.25	64	< 10	30	30		
L4600E 5500N	201	285	2840	3	1.23	136	1550	18	173	0.78	107	< 10	78	70		
L5000E 5000N	201	285	800	2	1.39	38	630	12	108	0.30	94	< 10	90	40		
L5000E 5050N	201	285	880	1	1.04	23	800	14	68	0.17	66	< 10	92	30		
L5000E 5100N	201	285	925	1	1.09	26	880	12	66	0.16	63	< 10	96	30		
L5000E 5150N	201	285	1850	2	2.10	40	780	18	70	0.21	74	< 10	46	50		
L5000E 5200N	201	285	1730	2	1.71	39	1130	16	81	0.21	74	< 10	68	50		
L5000E 5250N	201	285	935	2	0.64	26	930	14	69	0.15	57	< 10	60	20		
L5000E 5300N	201	285	2190	5	1.41	63	930	32	67	0.28	80	< 10	52	50		
L5000E 5350N	201	285	1680	3	1.41	46	740	32	79	0.26	88	< 10	52	40		
L5000E 5400N	201	285	2000	2	1.27	43	780	30	72	0.25	77	< 10	72	40		
L5000E 5450N	201	285	1770	2	2.74	34	650	4	77	0.13	60	< 10	22	50		
L5000E 5500N	201	285	3970	3	1.94	35	800	4	72	0.15	75	< 10	34	60		
L5000E 5550N	201	285	1890	2	1.86	39	760	< 2	73	0.17	90	< 10	38	60		
L5000E 5600N	201	285	1215	2	1.22	31	650	10	64	0.27	97	< 10	54	40		
L5000E 5650N	201	285	3280	2	1.28	37	920	20	92	0.23	86	< 10	112	40		
L5000E 5700N	201	285	3090	2	0.82	25	2140	12	87	0.11	43	< 10	62	30		
L5000E 5750N	201	285	1350	2	1.10	68	1120	40	127	0.39	94	< 10	202	80		
L5000E 5800N	201	285	1760	6	2.78	32	1050	4	52	0.09	80	< 10	38	80		
L5000E 5850N	201	285	2560	3	1.02	30	990	42	76	0.17	62	< 10	114	40		
L5000E 5900N	201	285	2230	4	0.65	30	1060	38	73	0.21	75	< 10	336	40		
L5000E 5950N	201	285	2100	3	0.52	27	890	30	70	0.15	55	< 10	276	40		
L5000E 6000N	201	285	2310	4	0.59	37	800	28	62	0.18	60	< 10	216	50		

CERTIFICATION: Stuart Bichler

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

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

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

A9317883

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

CERTIFICATE A9317883

PAMICON DEVELOPMENTS LIMITED

Project: PLUME-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
201	136	Dry, sieve to -80 mesh
285	136	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	136	Au ppb: Fuse 10 g sample	FA-AAS	5	10000
578	136	Ag ppm: 24 element, rock & core	AAS	0.5	200
573	136	Al %: 24 element, rock & core	ICP-AES	0.01	25.0
565	136	Ba ppm: 24 element, rock & core	ICP-AES	10	10000
575	136	Be ppm: 24 element, rock & core	ICP-AES	0.5	10000
561	136	Bi ppm: 24 element, rock & core	ICP-AES	2	10000
576	136	Ca %: 24 element, rock & core	ICP-AES	0.01	25.0
562	136	Cd ppm: 24 element, rock & core	ICP-AES	0.5	10000
563	136	Co ppm: 24 element, rock & core	ICP-AES	1	10000
569	136	Cr ppm: 24 element, rock & core	ICP-AES	1	10000
577	136	Cu ppm: 24 element, rock & core	ICP-AES	1	10000
566	136	Fe %: 24 element, rock & core	ICP-AES	0.01	25.0
584	136	K %: 24 element, rock & core	ICP-AES	0.01	20.0
570	136	Mg %: 24 element, rock & core	ICP-AES	0.01	20.0
568	136	Mn ppm: 24 element, rock & core	ICP-AES	5	10000
554	136	Mo ppm: 24 element, rock & core	ICP-AES	1	10000
583	136	Na %: 24 element, rock & core	ICP-AES	0.01	5.00
564	136	Ni ppm: 24 element, rock & core	ICP-AES	1	10000
559	136	P ppm: 24 element, rock & core	ICP-AES	10	10000
560	136	Pb ppm: 24 element, rock & core	AAS	2	10000
582	136	Sr ppm: 24 element, rock & core	ICP-AES	1	10000
579	136	Ti %: 24 element, rock & core	ICP-AES	0.01	10.00
572	136	V ppm: 24 element, rock & core	ICP-AES	1	10000
556	136	W ppm: 24 element, rock & core	ICP-AES	10	10000
558	136	Zn ppm: 24 element, rock & core	ICP-AES	2	10000
1006	136	La ppm: 20 element, rock ID	ICP-AES	10	10000

Chemex Labs Ltd.

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

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

Certificate Date: 31-JUL-93
Invoice No. :I9317883
P.O. Number :
Account :BM W

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

CERTIFICATE OF ANALYSIS A9317883

SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm AAS	Al % (ICP)	Ba ppm (ICP)	Be ppm (ICP)	Bi ppm (ICP)	Ca % (ICP)	Cd ppm (ICP)	Co ppm (ICP)	Cr ppm (ICP)	Cu ppm (ICP)	Fe % (ICP)	K % (ICP)	Mg % (ICP)
L8100E 09500N	201	285	< 5	< 0.2	7.33	840	< 0.5	8	0.85	0.5	19	70	17	3.91	2.21	0.92
L8100E 09550N	201	285	< 5	< 0.2	8.29	640	1.0	8	0.54	0.5	16	76	52	4.66	2.82	1.28
L8100E 09600N	201	285	< 5	< 0.2	5.89	860	< 0.5	2	1.63	< 0.5	13	57	46	3.25	2.05	0.97
L8100E 09650N	201	285	< 5	< 0.2	6.27	810	< 0.5	< 2	1.00	< 0.5	14	66	43	3.87	2.21	1.05
L8100E 09700N	201	285	< 5	< 0.2	5.79	990	< 0.5	2	1.30	< 0.5	14	64	38	3.41	1.61	0.96
L8100E 09750N	201	285	< 5	< 0.2	6.18	680	< 0.5	< 2	0.72	< 0.5	12	63	28	3.51	1.63	0.86
L8100E 09800N	201	285	< 5	< 0.2	6.30	620	< 0.5	4	0.80	0.5	16	74	18	3.86	1.59	1.09
L8100E 09850N	201	285	< 5	< 0.2	6.86	710	< 0.5	6	0.63	0.5	14	73	13	4.20	1.88	1.03
L8100E 09900N	201	285	< 5	< 0.2	7.30	800	< 0.5	2	0.87	< 0.5	19	63	34	4.17	2.38	1.44
L8100E 09950N	201	285	< 5	< 0.2	8.20	840	1.0	4	1.04	0.5	18	69	42	4.35	2.38	1.30
L8100E 10000N	201	285	< 5	< 0.2	7.55	730	< 0.5	2	0.85	< 0.5	15	71	26	4.17	2.12	0.99
L8100E 10050N	201	285	< 5	< 0.2	8.25	810	< 0.5	2	1.22	0.5	18	76	65	4.44	2.18	1.37
L8100E 10100N	201	285	< 5	< 0.2	6.51	690	< 0.5	< 2	1.29	0.5	14	58	30	3.69	1.74	1.07
L8100E 10150N	201	285	< 5	< 0.2	6.87	750	< 0.5	4	1.27	< 0.5	14	63	24	3.59	1.92	1.08
L8100E 10200N	201	285	< 5	< 0.2	8.87	910	< 0.5	2	0.98	< 0.5	19	84	25	4.68	2.64	1.35
L8100E 10250N	201	285	< 5	< 0.2	7.76	770	0.5	6	1.03	0.5	18	76	31	4.44	2.08	1.19
L8100E 10300N	201	285	< 5	< 0.2	7.67	770	< 0.5	< 2	1.13	< 0.5	19	68	56	4.41	1.92	1.34
L8100E 10350N	201	285	< 5	< 0.2	7.88	810	0.5	4	0.98	0.5	21	63	33	4.16	2.18	1.01
L8100E 10400N	201	285	< 5	< 0.2	7.97	800	< 0.5	2	1.16	< 0.5	26	69	107	4.43	2.25	1.34
L8500E 09500N	201	285	< 5	< 0.2	5.89	630	0.5	< 2	1.81	< 0.5	10	56	130	2.66	2.19	1.25
L8500E 09550N	201	285	< 5	< 0.2	4.65	430	< 0.5	< 2	7.77	0.5	7	42	38	2.47	1.86	3.74
L8500E 09600N	201	285	< 5	< 0.2	7.20	750	< 0.5	4	0.53	0.5	14	67	21	4.03	2.03	1.04
L8500E 09650N	201	285	< 5	< 0.2	6.55	710	< 0.5	< 2	0.91	0.5	16	72	79	3.85	2.14	1.26
L8500E 09700N	201	285	< 5	0.4	6.74	660	< 0.5	< 2	0.98	< 0.5	15	68	33	4.41	2.16	1.28
L8500E 09750N	201	285	< 5	0.6	6.82	730	< 0.5	4	0.85	0.5	16	75	42	4.05	2.18	1.16
L8500E 09800N	201	285	< 5	< 0.2	6.37	650	< 0.5	< 2	1.15	< 0.5	22	70	143	4.67	1.85	1.47
L8500E 09850N	201	285	< 5	< 0.2	6.86	950	< 0.5	< 2	1.15	0.5	25	58	67	5.16	3.73	2.02
L8500E 09900N	201	285	< 5	< 0.2	6.93	730	< 0.5	4	0.73	0.5	16	69	33	3.92	1.89	1.11
L8500E 09950N	201	285	< 5	< 0.2	6.74	670	< 0.5	4	0.60	0.5	14	68	17	4.13	1.80	0.85
L8500E 10000N	201	285	< 5	< 0.2	10.70	940	1.0	4	0.93	< 0.5	21	80	90	4.95	2.08	1.10
L8500E 10000N A	201	285	< 5	< 0.2	6.82	970	< 0.5	2	0.86	0.5	16	64	25	4.06	1.90	1.06
L8500E 10050N	201	285	< 5	< 0.2	10.80	1020	< 0.5	4	0.89	< 0.5	29	78	74	5.01	2.23	1.14
L8500E 10100N	201	285	< 5	< 0.2	11.55	1040	0.5	2	0.85	< 0.5	21	77	81	5.06	2.15	1.14
L8500E 10150N	201	285	20	< 0.2	11.40	1030	0.5	2	0.92	< 0.5	21	83	105	4.98	2.38	1.13
L8500E 10200N	201	285	< 5	< 0.2	11.40	1050	0.5	4	0.86	< 0.5	21	80	63	4.99	2.32	1.17
L8500E 10250N	201	285	< 5	2.0	10.50	920	0.5	2	0.74	< 0.5	17	73	23	4.52	2.09	1.02
L8500E 10300N	201	285	< 5	2.4	7.69	740	< 0.5	4	1.55	< 0.5	27	60	146	3.98	1.96	1.13
L8500E 10350N	201	285	< 5	0.4	3.02	320	< 0.5	< 2	3.29	0.5	15	25	134	1.80	0.84	0.50
L8900E 09500N	201	285	< 5	0.4	6.61	710	< 0.5	4	0.70	< 0.5	14	60	26	3.85	1.94	0.93
L8900E 09550N	201	285	< 5	< 0.2	6.95	600	< 0.5	< 2	0.67	< 0.5	16	63	14	3.49	1.83	1.83

CERTIFICATION: Stuart Buchler

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

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

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

Certificate Date: 31-JUL-93
Invoice No. : 19317883
P.O. Number :
Account : BM W

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

CERTIFICATE OF ANALYSIS A9317883

SAMPLE	PREP CODE	Mn ppm (ICP)	Mo ppm (ICP)	Na % (ICP)	Ni ppm (ICP)	P ppm (ICP)	Pb ppm AAS	Sr ppm (ICP)	Ti % (ICP)	V ppm (ICP)	W ppm (ICP)	Zn ppm (ICP)	La ppm ICP
L8100E 09500N	201 285	835	2	1.15	22	650	28	113	0.36	122	< 10	152	40
L8100E 09550N	201 285	620	< 1	0.74	33	470	12	61	0.40	112	< 10	82	40
L8100E 09600N	201 285	955	1	0.89	23	900	18	85	0.26	87	< 10	82	30
L8100E 09650N	201 285	775	< 1	1.04	26	660	22	96	0.30	110	< 10	122	40
L8100E 09700N	201 285	915	< 1	0.82	26	880	24	88	0.24	103	< 10	98	30
L8100E 09750N	201 285	985	1	0.86	25	510	28	84	0.27	104	< 10	120	30
L8100E 09800N	201 285	720	< 1	0.97	27	290	22	90	0.35	120	< 10	88	30
L8100E 09850N	201 285	545	< 1	1.12	25	280	24	95	0.38	121	< 10	84	40
L8100E 09900N	201 285	820	< 1	1.93	38	440	10	85	0.38	115	< 10	44	40
L8100E 09950N	201 285	980	2	1.42	33	630	24	122	0.38	131	< 10	106	60
L8100E 10000N	201 285	1175	< 1	1.19	27	510	20	156	0.37	111	< 10	102	40
L8100E 10050N	201 285	1660	< 1	1.29	33	850	18	186	0.38	109	< 10	160	60
L8100E 10100N	201 285	1175	< 1	0.98	26	720	18	150	0.29	91	< 10	152	40
L8100E 10150N	201 285	1125	1	1.28	27	640	16	200	0.30	91	< 10	100	40
L8100E 10200N	201 285	965	1	1.35	31	520	20	187	0.38	127	< 10	162	40
L8100E 10250N	201 285	1250	< 1	1.26	31	490	20	191	0.35	107	< 10	120	40
L8100E 10300N	201 285	1660	< 1	1.13	36	1000	18	168	0.33	98	< 10	130	40
L8100E 10350N	201 285	1160	1	1.30	25	790	20	166	0.37	109	< 10	206	30
L8100E 10400N	201 285	1005	< 1	1.13	32	610	16	183	0.37	107	< 10	108	60
L8500E 09500N	201 285	410	< 1	0.52	22	690	16	59	0.21	80	< 10	110	30
L8500E 09550N	201 285	715	< 1	0.51	18	450	8	71	0.18	60	< 10	56	< 10
L8500E 09600N	201 285	660	< 1	0.75	28	250	26	89	0.32	120	< 10	108	40
L8500E 09650N	201 285	575	< 1	0.85	33	630	20	86	0.28	115	< 10	114	40
L8500E 09700N	201 285	660	< 1	1.16	32	680	24	90	0.29	109	< 10	96	40
L8500E 09750N	201 285	900	< 1	0.99	29	510	28	92	0.30	122	< 10	124	40
L8500E 09800N	201 285	720	< 1	1.12	37	470	18	92	0.36	147	< 10	96	30
L8500E 09850N	201 285	735	< 1	0.85	36	530	6	74	0.50	163	< 10	54	40
L8500E 09900N	201 285	805	< 1	0.92	26	440	22	84	0.31	119	< 10	100	30
L8500E 09950N	201 285	810	1	0.82	23	480	28	92	0.34	119	< 10	110	40
L8500E 10000N	201 285	2030	< 1	0.81	43	680	24	185	0.18	93	< 10	158	100
L8500E 10000N A	201 285	845	< 1	1.00	27	500	22	112	0.31	104	< 10	88	40
L8500E 10050N	201 285	5560	< 1	0.80	44	700	24	189	0.18	93	< 10	156	70
L8500E 10100N	201 285	1915	< 1	0.76	47	610	28	190	0.14	96	< 10	162	80
L8500E 10150N	201 285	2010	< 1	0.88	46	670	28	192	0.16	95	< 10	162	110
L8500E 10200N	201 285	1900	< 1	0.88	45	650	28	195	0.18	92	< 10	186	70
L8500E 10250N	201 285	1800	< 1	0.81	42	660	22	177	0.15	81	< 10	164	40
L8500E 10300N	201 285	1300	< 1	0.93	39	1030	22	156	0.27	91	< 10	162	70
L8500E 10350N	201 285	845	< 1	0.35	19	1080	10	91	0.12	44	< 10	110	10
L8900E 09500N	201 285	915	< 1	0.88	26	510	28	84	0.31	112	< 10	108	40
L8900E 09550N	201 285	965	< 1	1.29	43	400	24	65	0.32	112	< 10	110	50

CERTIFICATION: Ian H Bucholz

Chemex Labs Ltd.

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

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

Certificate Date: 31-JUL-93
Invoice No. :I9317883
P.O. Number :
Account :BM W

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

CERTIFICATE OF ANALYSIS A9317883

SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm AAS	Al % (ICP)	Ba ppm (ICP)	Be ppm (ICP)	Bi ppm (ICP)	Ca % (ICP)	Cd ppm (ICP)	Co ppm (ICP)	Cr ppm (ICP)	Cu ppm (ICP)	Fe % (ICP)	K % (ICP)	Mg % (ICP)
L8900E 09600N	201 285	< 5	< 0.2	6.39	660	1.5	< 2	1.12	< 0.5	10	55	94	2.09	2.06	1.01
L8900E 09650N	201 285	< 5	< 0.2	3.30	490	0.5	< 2	2.87	0.5	7	32	41	1.81	0.95	0.57
L8900E 09700N	201 285	< 5	< 0.2	6.48	690	1.0	2	1.42	0.5	15	59	62	3.55	1.87	1.14
L8900E 09750N	201 285	< 5	< 0.2	5.91	630	< 0.5	< 2	1.68	< 0.5	21	60	42	6.00	1.93	1.70
L8900E 09800N	201 285	< 5	< 0.2	3.91	550	0.5	< 2	3.11	< 0.5	10	39	195	2.17	1.14	0.90
L8900E 09850N	201 285	< 5	< 0.2	5.70	670	1.0	< 2	2.15	< 0.5	13	53	129	3.11	1.61	1.15
L8900E 09900N	201 285	< 5	< 0.2	5.99	600	1.0	< 2	2.21	< 0.5	17	55	100	3.42	1.78	1.49
L8900E 09950N	201 285	< 5	< 0.2	6.24	590	1.0	< 2	2.13	< 0.5	18	53	107	3.66	2.03	1.71
L8900E 10000N	201 285	< 5	< 0.2	6.94	640	0.5	2	1.12	< 0.5	17	62	88	4.20	2.24	1.46
L8900E 10050N	201 285	< 5	< 0.2	6.70	680	1.0	2	1.02	< 0.5	15	60	42	3.94	1.97	1.07
L8900E 10100N	201 285	< 5	< 0.2	6.68	650	0.5	2	1.20	< 0.5	17	61	79	4.09	2.00	1.30
L8900E 10150N	201 285	< 5	< 0.2	7.54	860	0.5	8	0.74	< 0.5	15	68	21	4.15	1.92	1.01
L8900E 10200N	201 285	< 5	< 0.2	7.84	760	1.5	6	0.89	< 0.5	17	66	50	4.59	1.81	1.11
L8900E 10250N	201 285	< 5	0.6	8.46	860	1.5	6	1.51	< 0.5	24	70	140	4.59	1.77	1.14
L8900E 10300N	201 285	45	0.6	8.42	850	1.5	8	1.21	< 0.5	26	68	129	4.75	1.82	1.16
L9300E 09500N	201 285	5	0.2	6.20	580	0.5	2	1.33	< 0.5	10	56	19	3.24	1.60	0.72
L9300E 09550N	201 285	< 5	< 0.2	6.43	630	1.0	2	1.02	< 0.5	12	60	20	3.64	1.87	0.96
L9300E 09600N	201 285	< 5	< 0.2	6.34	540	0.5	< 2	2.24	< 0.5	19	75	43	4.11	1.78	2.40
L9300E 09650N	201 285	< 5	< 0.2	6.48	580	0.5	< 2	2.06	< 0.5	20	79	70	4.06	1.92	2.36
L9300E 09700N	201 285	< 5	< 0.2	6.43	630	< 0.5	2	1.22	0.5	17	61	43	3.61	1.82	1.38
L9300E 09750N	201 285	< 5	< 0.2	5.51	470	1.0	< 2	5.02	< 0.5	16	59	41	3.60	1.77	3.27
L9300E 09800N	201 285	< 5	< 0.2	6.49	630	0.5	< 2	0.78	< 0.5	17	73	25	4.17	1.69	1.12
L9300E 09850N	201 285	< 5	< 0.2	6.49	670	1.0	< 2	0.61	< 0.5	15	61	26	4.10	1.63	0.91
L9300E 09900N	201 285	< 5	< 0.2	7.05	710	0.5	< 2	0.68	0.5	13	63	16	3.86	2.18	0.98
L9300E 10000N	201 285	< 5	< 0.2	6.30	640	0.5	4	0.68	< 0.5	15	53	25	3.98	1.84	0.85
L9300E 10050N	201 285	< 5	< 0.2	7.05	740	1.5	4	1.34	0.5	15	58	113	2.78	1.73	1.02
L9300E 10100N	201 285	< 5	< 0.2	5.91	540	0.5	2	1.63	0.5	18	54	159	3.73	1.70	1.16
L9300E 10200N	201 285	< 5	< 0.2	5.80	570	0.5	< 2	3.41	< 0.5	18	53	94	3.69	1.91	1.81
L9300E 10250N	201 285	< 5	< 0.2	6.35	750	0.5	< 2	2.07	0.5	16	57	53	3.77	1.93	1.40
L9300E 10300N	201 285	< 5	< 0.2	7.12	780	0.5	4	0.76	< 0.5	15	62	27	4.12	1.62	0.94
L9300E 10350N	201 285	< 5	< 0.2	6.89	760	0.5	6	0.68	0.5	14	62	21	3.99	1.57	0.88
L9300E 10400N	201 285	< 5	< 0.2	7.44	820	0.5	8	0.91	< 0.5	21	66	29	4.45	1.62	0.98
L9700E 1050N	201 285	< 5	< 0.2	6.81	720	0.5	6	0.81	0.5	17	65	39	4.17	1.92	0.99
L9700E 09500N	201 285	< 5	< 0.2	6.72	730	0.5	10	0.76	0.5	20	64	23	4.48	1.60	0.84
L9700E 09550N	201 285	< 5	< 0.2	5.73	530	< 0.5	< 2	3.77	< 0.5	12	55	42	3.16	1.55	2.85
L9700E 09600N	201 285	< 5	< 0.2	6.15	600	< 0.5	10	0.88	0.5	15	55	38	3.69	1.66	0.99
L9700E 09650N	201 285	< 5	< 0.2	6.72	630	< 0.5	4	0.81	0.5	19	64	120	4.38	1.41	1.09
L9700E 09700N	201 285	< 5	< 0.2	5.69	640	< 0.5	6	1.43	< 0.5	14	54	55	3.24	1.53	1.02
L9700E 09750N	201 285	< 5	< 0.2	6.25	660	< 0.5	4	1.09	0.5	15	56	66	3.66	1.66	1.10
L9700E 09800N	201 285	< 5	< 0.2	6.56	630	< 0.5	2	0.76	0.5	17	64	23	4.14	1.64	0.92

CERTIFICATION: Ian J. Buchan

Chemex Labs Ltd.

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

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

Certificate Date: 31-JUL-93
Invoice No. :I9317883
P.O. Number :
Account :BM W

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

CERTIFICATE OF ANALYSIS A9317883

SAMPLE	PREP CODE		Mn ppm (ICP)	Mo ppm (ICP)	Na % (ICP)	Ni ppm (ICP)	P ppm (ICP)	Pb ppm AAS	Sr ppm (ICP)	Ti % (ICP)	V ppm (ICP)	W ppm (ICP)	Zn ppm (ICP)	La ppm ICP		
L8900E 09600N	201	285	170	2	0.76	22	510	18	71	0.22	101	< 10	90	30		
L8900E 09650N	201	285	705	< 1	0.36	14	790	12	74	0.14	62	< 10	116	10		
L8900E 09700N	201	285	805	< 1	0.99	26	740	20	114	0.30	107	< 10	118	40		
L8900E 09750N	201	285	2330	< 1	1.16	28	780	8	88	0.41	150	< 10	72	50		
L8900E 09800N	201	285	705	< 1	0.43	20	1140	14	78	0.16	77	< 10	106	20		
L8900E 09850N	201	285	950	3	0.66	26	1210	22	85	0.23	103	< 10	110	70		
L8900E 09900N	201	285	980	< 1	0.74	26	740	14	85	0.25	94	< 10	122	30		
L8900E 09950N	201	285	1075	< 1	0.86	27	710	10	80	0.27	92	< 10	94	40		
L8900E 10000N	201	285	1015	< 1	0.94	28	570	14	75	0.29	102	< 10	86	40		
L8900E 10050N	201	285	1060	< 1	0.88	27	560	24	121	0.30	104	< 10	108	40		
L8900E 10100N	201	285	1090	1	0.88	28	630	14	86	0.27	101	< 10	86	40		
L8900E 10150N	201	285	1220	< 1	0.80	23	470	28	135	0.35	121	< 10	160	40		
L8900E 10200N	201	285	1025	< 1	1.01	32	420	28	166	0.36	107	< 10	104	40		
L8900E 10250N	201	285	2360	4	0.84	37	950	26	164	0.22	83	< 10	186	90		
L8900E 10300N	201	285	2560	2	0.90	38	890	26	163	0.24	83	< 10	188	90		
L9300E 09500N	201	285	990	< 1	1.40	19	730	18	65	0.29	95	< 10	158	30		
L9300E 09550N	201	285	615	< 1	1.01	25	600	22	82	0.31	107	< 10	124	40		
L9300E 09600N	201	285	840	< 1	1.16	38	820	12	78	0.32	117	< 10	98	40		
L9300E 09650N	201	285	625	< 1	1.16	41	740	12	73	0.32	116	< 10	84	40		
L9300E 09700N	201	285	830	< 1	1.22	31	700	12	77	0.29	99	< 10	78	40		
L9300E 09750N	201	285	850	< 1	1.12	28	620	6	84	0.29	93	< 10	48	10		
L9300E 09800N	201	285	755	< 1	0.97	30	300	24	89	0.34	121	< 10	84	40		
L9300E 09850N	201	285	810	1	0.76	29	440	26	98	0.34	109	< 10	94	40		
L9300E 09900N	201	285	850	< 1	1.34	28	640	20	80	0.30	104	< 10	84	40		
L9300E 10000N	201	285	705	1	0.73	23	460	48	81	0.33	116	< 10	102	40		
L9300E 10050N	201	285	610	7	0.88	28	700	18	135	0.25	83	< 10	168	70		
L9300E 10100N	201	285	880	1	0.69	26	800	16	82	0.26	106	< 10	92	30		
L9300E 10200N	201	285	925	< 1	0.89	25	710	6	84	0.28	96	< 10	62	30		
L9300E 10250N	201	285	1230	< 1	0.86	28	980	20	122	0.27	96	< 10	108	40		
L9300E 10300N	201	285	855	< 1	0.80	26	490	26	138	0.34	111	< 10	116	30		
L9300E 10350N	201	285	695	< 1	0.76	22	440	26	122	0.35	113	< 10	108	40		
L9300E 10400N	201	285	1260	< 1	0.91	33	770	24	170	0.36	106	< 10	176	40		
L9700E 1050N	201	285	1035	< 1	0.81	31	630	18	84	0.33	107	< 10	96	50		
L9700E 09500N	201	285	1365	< 1	0.64	33	650	34	70	0.31	129	< 10	316	40		
L9700E 09550N	201	285	595	< 1	0.72	27	720	22	90	0.30	99	< 10	106	30		
L9700E 09600N	201	285	640	< 1	0.74	27	780	22	85	0.31	107	< 10	134	40		
L9700E 09650N	201	285	690	< 1	0.64	32	370	30	82	0.35	137	< 10	114	40		
L9700E 09700N	201	285	850	< 1	0.66	24	770	20	71	0.23	88	< 10	104	40		
L9700E 09750N	201	285	850	< 1	0.69	27	740	20	74	0.22	100	< 10	120	40		
L9700E 09800N	201	285	810	3	0.63	28	480	30	80	0.26	121	< 10	130	40		

CERTIFICATION: Ian Bucklen

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

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

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

Page Number :3-A
Total Pages :4
Certificate Date: 31-JUL-93
Invoice No. :19317883
P.O. Number :
Account :BM W

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

CERTIFICATE OF ANALYSIS A9317883

SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm AAS	Al % (ICP)	Ba ppm (ICP)	Be ppm (ICP)	Bi ppm (ICP)	Ca % (ICP)	Cd ppm (ICP)	Co ppm (ICP)	Cr ppm (ICP)	Cu ppm (ICP)	Fe % (ICP)	K % (ICP)	Mg % (ICP)
L9700E 09850N	201	285	< 5	< 0.2	5.88	580	1.5	< 2	3.11	0.5	12	57	49	3.32	2.00	2.27
L9700E 09900N	201	285	< 5	< 0.2	6.42	630	2.0	< 2	0.77	< 0.5	15	60	34	3.83	1.74	0.99
L9700E 09950N	201	285	< 5	< 0.2	7.09	710	1.5	< 2	0.78	< 0.5	16	65	19	4.22	2.24	0.96
L10000E 09500N	201	285	< 5	< 0.2	6.33	600	1.0	< 2	1.23	< 0.5	15	65	30	3.84	1.83	0.97
L10000E 09550N	201	285	< 5	< 0.2	5.93	600	1.0	< 2	1.15	< 0.5	12	54	31	3.50	1.52	0.90
L10000E 09600N	201	285	< 5	< 0.2	5.82	540	1.5	< 2	2.29	< 0.5	18	58	59	3.79	1.52	1.71
L10000E 09650N	201	285	< 5	< 0.2	5.66	570	1.0	< 2	3.16	< 0.5	12	60	45	3.19	1.72	2.34
L10000E 09700N	201	285	< 5	< 0.2	5.80	540	1.5	< 2	5.17	< 0.5	8	60	45	2.74	2.26	3.09
L10000E 09750N	201	285	< 5	< 0.2	5.91	550	1.0	< 2	4.58	< 0.5	9	64	40	2.90	2.26	2.86
L10000E 09800N	201	285	< 5	< 0.2	6.39	520	1.5	< 2	4.32	< 0.5	8	65	45	2.73	2.41	2.76
L10000E 09850N	201	285	< 5	< 0.2	5.12	620	1.5	< 2	2.09	< 0.5	12	57	30	2.79	1.45	0.70
L10000E 09900N	201	285	< 5	< 0.2	5.20	630	1.0	< 2	1.98	0.5	12	59	33	2.72	1.44	0.76
L10000E 09950N	201	285	< 5	< 0.2	6.77	690	2.5	2	1.00	< 0.5	14	74	37	3.92	1.97	0.94
L10000E 10050N	201	285	< 5	< 0.2	6.05	640	0.5	2	0.39	< 0.5	12	59	23	3.29	1.63	0.74
L10000E 10100N	201	285	< 5	< 0.2	6.65	790	1.5	< 2	0.78	< 0.5	16	65	28	3.63	2.34	1.23
L10000E 10150N	201	285	< 5	< 0.2	6.50	740	1.5	< 2	1.09	< 0.5	15	63	27	3.55	2.08	1.37
L10000E 10200N	201	285	< 5	< 0.2	6.29	740	1.5	4	1.40	< 0.5	18	65	75	3.83	1.77	1.03
L10000E 10250N	201	285	10	< 0.2	5.53	690	1.5	6	1.82	0.5	18	59	103	3.16	1.41	0.94
L10000E 10300N	201	285	< 5	< 0.2	5.57	680	1.5	2	1.73	< 0.5	18	57	100	3.16	1.46	0.94
L10000E 10350N	201	285	< 5	< 0.2	6.63	800	2.0	6	1.47	< 0.5	19	66	80	3.87	1.80	1.08
CL-0050	201	285	< 5	< 0.2	6.90	660	1.5	< 2	1.54	0.5	31	68	152	3.76	2.02	1.17
CL-0100	201	285	< 5	< 0.2	1.84	300	0.5	2	3.55	0.5	8	32	110	1.08	0.56	0.47
CL-0150	201	285	< 5	< 0.2	6.84	620	1.5	< 2	2.00	< 0.5	26	67	173	4.91	2.01	1.46
CL-0200	201	285	< 5	< 0.2	7.32	730	2.0	2	1.24	0.5	20	72	64	4.13	2.05	1.12
CL-0250	201	285	10	< 0.2	3.47	370	1.0	< 2	2.52	0.5	13	41	93	2.11	1.00	0.51
CL-0300	201	285	< 5	< 0.2	6.37	560	1.5	4	1.79	0.5	32	65	281	4.67	1.69	1.08
CL-0350	201	285	< 5	< 0.2	6.71	510	2.0	6	1.43	0.5	41	70	228	4.84	1.75	1.32
CL-0400	201	285	< 5	< 0.2	6.21	500	2.0	2	1.54	0.5	25	60	56	3.89	1.64	1.13
CL-0450	201	285	< 5	< 0.2	8.33	780	3.0	< 2	1.23	< 0.5	30	74	92	4.54	2.16	1.31
CL-0500	201	285	< 5	< 0.2	7.16	660	2.5	6	1.79	< 0.5	29	70	108	4.01	1.89	1.22
CL-0550	201	285	< 5	< 0.2	6.29	580	2.0	< 2	2.13	< 0.5	22	62	128	3.46	1.73	1.14
CL-0600	201	285	< 5	< 0.2	6.18	590	2.0	2	2.12	0.5	20	60	145	3.38	1.70	1.12
CL-0650	201	285	5	< 0.2	5.22	520	1.5	< 2	2.26	0.5	15	57	92	2.96	1.51	0.93
CL-0700	201	285	< 5	< 0.2	8.38	800	3.0	2	1.53	0.5	19	78	83	3.81	2.32	1.30
CL-0750	201	285	< 5	< 0.2	8.04	840	2.5	< 2	1.33	< 0.5	17	72	119	3.30	1.94	1.11
CL-0800	201	285	< 5	< 0.2	8.47	870	3.0	4	1.13	0.5	33	78	45	4.07	2.61	1.20
CL-0900	201	285	15	< 0.2	6.38	670	1.5	2	2.13	0.5	17	68	119	3.14	2.19	1.02
CL-0950	201	285	< 5	< 0.2	5.46	590	1.0	< 2	2.28	1.0	17	58	164	2.94	1.98	0.95
CL-1000	201	285	< 5	< 0.2	7.13	720	2.0	6	1.69	< 0.5	21	75	96	3.77	2.58	1.12
CL-1050	201	285	< 5	< 0.2	5.94	590	1.5	2	1.67	0.5	17	65	98	3.23	2.10	0.93

CERTIFICATION: Stewart Buchan

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

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

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

Certificate Date: 31-JUL-93
Invoice No. :I9317883
P.O. Number :
Account :BM W

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

CERTIFICATE OF ANALYSIS A9317883

SAMPLE	PREP CODE		Mn ppm (ICP)	Mo ppm (ICP)	Na % (ICP)	Ni ppm (ICP)	P ppm (ICP)	Pb ppm AAS	Sr ppm (ICP)	Ti % (ICP)	V ppm (ICP)	W ppm (ICP)	Zn ppm (ICP)	La ppm ICP		
L9700E 09850N	201	285	895	< 1	0.97	22	670	10	78	0.26	86	< 10	70	30		
L9700E 09900N	201	285	975	1	0.91	24	510	22	73	0.28	107	< 10	90	70		
L9700E 09950N	201	285	1165	2	1.10	29	760	12	98	0.29	101	< 10	68	50		
L10000E 09500N	201	285	785	1	0.65	31	520	30	83	0.29	116	< 10	134	40		
L10000E 09550N	201	285	760	1	0.62	26	660	28	77	0.24	106	< 10	126	30		
L10000E 09600N	201	285	880	< 1	0.77	29	520	20	86	0.28	109	< 10	108	30		
L10000E 09650N	201	285	775	1	0.81	24	840	20	83	0.22	92	< 10	114	20		
L10000E 09700N	201	285	840	1	0.46	20	480	16	52	0.17	66	< 10	70	< 10		
L10000E 09750N	201	285	855	< 1	0.49	19	470	16	52	0.19	70	< 10	72	10		
L10000E 09800N	201	285	695	< 1	0.49	19	460	12	47	0.19	69	< 10	64	10		
L10000E 09850N	201	285	1120	< 1	0.45	22	1010	20	64	0.17	81	< 10	98	40		
L10000E 09900N	201	285	815	< 1	0.43	23	770	18	61	0.16	80	< 10	108	30		
L10000E 09950N	201	285	1065	1	0.82	30	520	20	77	0.24	103	< 10	94	40		
L10000E 10050N	201	285	565	1	0.80	21	340	26	69	0.24	103	< 10	82	20		
L10000E 10100N	201	285	1295	1	1.35	32	640	12	72	0.25	91	< 10	60	60		
L10000E 10150N	201	285	1195	1	1.28	29	700	14	70	0.22	91	< 10	66	50		
L10000E 10200N	201	285	1475	< 1	1.21	26	680	18	123	0.27	93	< 10	134	60		
L10000E 10250N	201	285	1365	1	0.88	26	840	20	106	0.21	81	< 10	134	60		
L10000E 10300N	201	285	1315	1	0.87	26	810	20	105	0.21	82	< 10	136	50		
L10000E 10350N	201	285	1520	< 1	1.24	27	750	18	130	0.29	96	< 10	142	60		
CL-0050	201	285	910	< 1	0.87	56	780	20	118	0.25	92	< 10	228	50		
CL-0100	201	285	460	< 1	0.17	15	960	6	51	0.07	33	< 10	176	< 10		
CL-0150	201	285	1030	1	0.90	37	790	14	120	0.43	133	< 10	106	40		
CL-0200	201	285	1120	< 1	1.09	31	510	18	139	0.32	97	< 10	114	40		
CL-0250	201	285	1015	< 1	0.39	16	1030	20	74	0.15	58	< 10	180	10		
CL-0300	201	285	1625	< 1	1.01	33	790	30	149	0.31	102	< 10	422	40		
CL-0350	201	285	660	< 1	0.98	32	550	16	125	0.37	115	< 10	136	40		
CL-0400	201	285	1690	< 1	1.03	25	650	28	126	0.26	76	< 10	162	30		
CL-0450	201	285	1280	2	1.04	32	400	26	164	0.34	105	< 10	228	40		
CL-0500	201	285	1340	< 1	0.92	31	690	20	162	0.30	93	< 10	150	40		
CL-0550	201	285	1155	< 1	0.80	28	880	16	120	0.24	82	< 10	106	40		
CL-0600	201	285	1105	1	0.77	28	870	16	112	0.24	83	< 10	116	40		
CL-0650	201	285	975	< 1	0.60	22	850	12	114	0.22	69	< 10	124	30		
CL-0700	201	285	1195	< 1	0.88	35	670	18	150	0.27	87	< 10	170	40		
CL-0750	201	285	1060	1	0.96	34	670	20	153	0.22	79	< 10	270	60		
CL-0800	201	285	2230	< 1	1.33	36	740	20	223	0.30	85	< 10	304	50		
CL-0900	201	285	955	< 1	0.95	29	820	16	116	0.23	78	< 10	404	40		
CL-0950	201	285	910	< 1	0.82	27	900	18	92	0.22	74	< 10	210	30		
CL-1000	201	285	1285	< 1	1.15	31	650	66	151	0.30	85	< 10	392	40		
CL-1050	201	285	980	< 1	1.04	25	640	24	108	0.26	79	< 10	176	40		

CERTIFICATION: Peter H. Buchan

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
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To: PAMICON DEVELOPMENTS LIMITED
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Certificate Date: 31-JUL-93
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CERTIFICATE OF ANALYSIS A9317883

SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm AAS	Al % (ICP)	Ba ppm (ICP)	Be ppm (ICP)	Bi ppm (ICP)	Ca % (ICP)	Cd ppm (ICP)	Co ppm (ICP)	Cr ppm (ICP)	Cu ppm (ICP)	Fe % (ICP)	K % (ICP)	Mg % (ICP)
CL-1200	201 285	< 5	0.2	6.20	680	1.5	2	1.00	2.0	15	65	29	2.55	2.03	0.75
CL-1250	201 285	< 5	< 0.2	9.75	1030	3.0	4	0.91	< 0.5	23	92	115	4.32	2.89	1.43
CL-1300	201 285	< 5	< 0.2	5.50	560	1.5	4	2.23	< 0.5	14	59	96	2.55	2.05	0.89
CL-1400	201 285	< 5	< 0.2	6.10	580	2.0	4	2.26	< 0.5	16	57	50	3.03	2.13	0.96
CL-1450	201 285	< 5	< 0.2	2.39	290	< 0.5	2	3.87	0.5	7	34	81	1.32	0.78	0.50
CL-1500	201 285	< 5	< 0.2	7.30	340	2.5	6	1.63	< 0.5	14	69	55	3.19	1.13	1.63
CL-1550	201 285	< 5	< 0.2	5.94	700	1.5	4	1.99	< 0.5	18	60	45	2.73	1.38	1.21
CL-1600	201 285	< 5	< 0.2	6.62	310	1.5	4	1.74	< 0.5	10	62	23	2.91	0.93	1.15
CL-1650	201 285	< 5	< 0.2	7.13	590	2.5	8	1.76	< 0.5	18	69	80	3.76	1.92	1.45
CL-1700	201 285	< 5	< 0.2	4.99	510	1.0	4	2.97	< 0.5	14	57	104	2.58	1.67	0.87
CL-1750	201 285	< 5	0.2	5.83	540	1.5	4	2.08	< 0.5	17	59	75	3.14	1.82	0.95
CL-1800	201 285	< 5	< 0.2	5.81	590	1.5	2	1.76	< 0.5	7	60	72	2.04	1.86	0.84
CL-1850	201 285	< 5	< 0.1	3.75	440	1.0	4	2.82	< 0.5	11	40	40	2.09	1.30	0.71
CL-1900	201 285	< 5	0.2	7.11	620	2.5	4	1.28	< 0.5	22	68	89	3.88	2.50	1.20
CL-1950	201 285	< 5	0.4	7.87	710	3.0	6	1.03	< 0.5	25	72	158	4.17	2.90	1.31
SILT-SD003	201 285	< 5	< 0.2	7.52	760	2.5	6	1.39	< 0.5	20	75	106	3.68	2.09	1.00

CERTIFICATION: Ivan Bichler

Chemex Labs Ltd.

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

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

Page Number :4-B
Total Pages :4
Certificate Date: 31-JUL-93
Invoice No. :I9317883
P.O. Number :
Account :BM W

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

CERTIFICATE OF ANALYSIS A9317883

SAMPLE	PREP CODE		Mn ppm (ICP)	Mo ppm (ICP)	Na % (ICP)	Ni ppm (ICP)	P ppm (ICP)	Pb ppm AAS	Sr ppm (ICP)	Ti % (ICP)	V ppm (ICP)	W ppm (ICP)	Zn ppm (ICP)	La ppm ICP		
CL-1200	201	285	1895	< 1	0.97	17	620	36	170	0.29	99	< 10	262	30		
CL-1250	201	285	1550	< 1	1.13	47	540	38	164	0.29	104	< 10	318	120		
CL-1300	201	285	615	1	0.75	24	900	24	114	0.19	67	< 10	192	30		
CL-1400	201	285	885	< 1	1.08	25	590	24	170	0.25	72	< 10	142	30		
CL-1450	201	285	715	< 1	0.43	13	1020	20	61	0.09	37	< 10	122	< 10		
CL-1500	201	285	1180	< 1	3.44	42	800	18	70	0.23	78	< 10	86	40		
CL-1550	201	285	1450	< 1	2.40	31	730	22	79	0.22	73	< 10	98	40		
CL-1600	201	285	635	< 1	3.34	29	600	12	70	0.22	73	< 10	76	30		
CL-1650	201	285	1350	< 1	2.00	40	930	22	104	0.28	90	< 10	156	60		
CL-1700	201	285	1070	< 1	0.80	24	1010	20	94	0.20	66	< 10	172	30		
CL-1750	201	285	1445	< 1	0.96	28	840	20	105	0.22	74	< 10	236	40		
CL-1800	201	285	345	< 1	0.92	20	710	24	114	0.24	75	< 10	146	40		
CL-1850	201	285	1335	< 1	0.65	17	970	14	97	0.16	47	< 10	100	20		
CL-1900	201	285	2140	< 1	1.09	28	510	54	129	0.30	82	< 10	168	40		
CL-1950	201	285	1375	1	1.26	32	740	46	144	0.33	94	< 10	166	70		
SILT-SD003	201	285	1500	< 1	0.97	33	830	24	155	0.27	90	< 10	186	100		

CERTIFICATION: Ian Buchan

APPENDIX F

SAMPLE INTERVALS - DRILL HOLE E-3-80

EAGLE 1993 DRILL CORE SAMPLING

HOLE E-3-80

SAMPLE NUMBER	METREAGE FROM	TO	LENGTH	GOLD (PPM)	COBALT (PPM)	COPPER (PPM)
546251	6.62	9.14	2.52	<5	12	743
546252	9.14	10.97	1.83	<5	39	953
546253	10.97	12.80	1.83	<5	54	950
546254	12.80	13.41	.61	<5	58	585
546255	13.41	14.35	.94	<5	83	504
546256	14.35	14.40	4.40	<5	59	827
546257	14.40	18.80	1.50	<5	54	767
546258	18.80	20.30	1.64	<5	196	910
546259	20.30	21.94	1.51	<5	55	890
546260	21.94	23.45	1.54	<5	40	754
546261	23.45	24.99	1.50	<5	21	511
546262	24.99	26.49	3.91	<5	22	1780
546263	26.49	30.40	3.73	<5	22	528
546264	30.40	34.13	.83	<5	38	679
546265	34.13	34.89	.70	<5	46	1405
545503	34.89	37.10	2.21	<5	21	4160
546374	34.89	36.50	1.61	<5	41	368
546375	36.50	38.30	1.80	<5	21	696
546376	38.30	40.23	1.93	35	80	4030
546377	47.85	49.95	2.10	<5	205	35
546378	49.95	51.20	1.25	<5	155	124
546379	51.20	52.90	1.70	<5	31	189
546380	52.90	54.57	1.67	<5	41	398
546381	54.57	56.60	1.93	<5	66	1265
546382	56.50	58.52	2.02	<5	132	1625
546383	58.52	60.10	1.58	<5	80	1895
546384	60.10	61.56	1.46	<5	328	261
546266	61.56	63.09	1.53	30	202	1.05%
546267	63.09	64.51	1.42	150	230	9620
546268	64.51	66.14	1.63	50	1084	8110
546269	66.14	67.66	1.52	55	257	7220

EAGLE 1993 DRILL CORE SAMPLING
HOLE E-3-80

SAMPLE NUMBER	METREAGE FROM	TO	LENGTH	GOLD (PPM)	COBALT (PPM)	COPPER (PPM)
546270	67.66	69.23	1.57	10	146	522
546271	69.23	71.00	1.77	5	43	1680
546272	71.00	72.23	1.23	<5	15	45
546273	72.23	73.76	1.53	<5	49	359
546274	73.76	75.28	1.52	<5	59	2020
546275	75.28	76.80	1.52	50	38	1.0%
546276	76.80	78.33	1.53	<5	38	333
546277	78.33	83.90	5.57	<5	12	1010
546278	83.90	85.93	2.03	210	14	111
546279	85.93	87.47	1.54	<5	23	178
546280	87.47	89.00	1.53	<5	12	76
546281	89.00	90.52	1.52	<5	9	25
546282	90.52	92.01	1.49	<5	9	138
546283	92.01	93.50	1.49	<5	16	146
546284	93.50	95.10	1.60	<5	13	620
546285	95.10	96.62	1.52	<5	14	96
546286	96.62	98.10	1.48	<5	15	56
546287	98.10	99.60	1.50	<5	22	999
546288	99.60	101.19	1.59	<5	7	60
546289	101.19	102.71	1.52	<5	32	528
546290	102.71	104.20	1.49	25	25	1550
546291	104.20	105.40	1.20	<5	57	96
546292	105.40	107.25	1.85	<5	9	7
546293	107.25	108.75	1.50	<5	9	6
546294	108.75	110.33	1.58	<5	7	5
546295	110.33	111.85	1.52	<5	7	2
546296	111.85	113.38	1.53	<5	11	241
546297	113.38	120.12	6.74	<5	11	220
546298	120.12	122.13	2.01	<5	8	23
546299	122.13	124.19	2.06	<5	11	26
546300	124.19	126.31	2.12	<5	6	7

EAGLE 1993 DRILL CORE SAMPLING
HOLE E-3-80

SAMPLE NUMBER	METREAGE FROM	TO	LENGTH	GOLD (PPM)	COBALT (PPM)	COPPER (PPM)
546301	126.31	128.43	2.12	<5	6	<1
546302	128.43	130.14	1.71	<5	9	<1
546303	130.14	131.67	1.53	<5	9	<1
546304	131.67	133.20	1.53	<5	8	15
546305	133.20	134.72	1.52	<5	2	19
546306	134.72	136.24	1.52	<5	11	21
546307	136.24	137.80	1.56	<5	6	14
546308	137.80	139.29	1.49	<5	10	117
546309	139.29	141.80	2.51	<5	7	28
546310	141.80	142.34	.54	10	11	216
546311	142.34	143.86	1.52	<5	39	190
546312	143.86	145.46	1.60	<5	25	194
546313	145.46	148.47	3.01	<5	20	118
546314	148.47	149.46	.99	<5	27	187
546315	149.46	151.48	2.02	<5	17	368
546316	151.48	153.00	1.52	<5	17	526
546317	153.00	154.20	1.20	<5	10	512
546318	154.20	155.71	1.51	<5	15	471
546319	155.71	157.20	1.49	<5	14	253
546320	157.20	158.80	1.60	<5	12	237
546321	158.80	160.62	1.82	<5	15	218
546322	160.62	162.15	1.53	<5	14	441
546323	162.15	163.67	1.52	<5	12	479
546324	163.67	165.20	1.53	<5	15	230
546325	165.20	166.70	1.50	<5	13	743
546326	166.70	168.74	2.04	<5	23	414
546327	168.74	169.77	1.03	<5	14	1230
546328	169.77	171.30	1.53	<5	20	1980
546329	171.30	172.82	1.52	15	50	3270
546330	172.82	185.01	2.13	<5	32	1140
546331	180.44	182.88	2.44	<5	25	661

EAGLE 1993 DRILL CORE SAMPLING
HOLE E-3-80

SAMPLE NUMBER	METREAGE FROM	TO	LENGTH	GOLD (PPM)	COBALT (PPM)	COPPER (PPM)
546332	175.88	177.35	1.47	<5	18	99
546333	177.35	178.90	1.55	<5	10	142
546334	178.90	180.44	1.54	<5	16	197
546335	180.44	182.88	2.44	<5	17	157
546336	182.88	185.01	2.13	<5	9	26
546337	185.01	186.50	1.49	<5	4	31
546338	186.50	188.00	1.50	<5	7	36
546339	188.00	189.58	1.58	<5	9	88
546340	189.58	190.80	1.22	<5	13	27
546341	190.80	192.40	1.60	<5	13	46
546342	192.40	193.91	1.51	<5	9	27
546343	193.91	195.60	1.69	<5	9	3
546344	195.60	197.20	1.60	<5	13	182
546345	197.20	198.80	1.60	<5	6	80
546346	198.80	200.20	1.40	<5	3	29
546347	200.20	201.73	1.53	<5	6	8
546348	201.73	203.52	1.79	<5	<1	37
546349	203.52	206.45	2.93	<5	2	3
546350	206.45	208.50	2.05	<5	6	3
546351	208.50	210.60	2.10	<5	4	28
546352	210.60	212.20	1.60	<5	3	3
546353	212.20	213.80	1.60	<5	10	1
546354	213.80	215.50	1.70	<5	9	<1
546355	215.50	216.90	1.40	<5	10	<1
546356	216.90	218.80	1.90	<5	12	<1
546357	218.80	220.30	1.50	<5	10	7
546358	220.30	221.90	1.60	<5	10	13
546359	221.90	224.10	2.20	<5	10	5
546360	224.10	225.60	1.50	<5	11	26
546361	225.60	227.20	1.60	<5	11	13
546362	227.20	228.90	1.70	<5	14	8

EAGLE 1993 DRILL CORE SAMPLING
HOLE E-3-80

SAMPLE NUMBER	METREAGE FROM	METREAGE TO	LENGTH	GOLD (PPM)	COBALT (PPM)	COPPER (PPM)
546363	228.90	230.50	1.60	<5	43	668
546364	230.50	231.85	1.35	<5	12	6
546365	231.85	233.30	1.45	<5	11	1
546366	233.30	234.30	1.00	<5	9	9
546367	234.30	235.80	1.50	<5	10	19
546368	235.80	237.30	1.50	<5	11	27
546369	237.30	238.90	1.60	<5	13	34
546370	238.90	240.40	1.50	<5	11	29
546371	240.40	242.50	2.10	<5	14	14
546372	242.50	244.60	2.10	<5	12	3
546373	244.60	246.85	2.25	<5	9	2

APPENDIX G

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 t 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

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

Produced by GEO-LOGIC SYSTEM and QUATTRO PRO

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

Produced by GEO-LOGIC SYSTEM and QUATTRO PRO

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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

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

Produced by GEO-LOGIC SYSTEM and QUATTRO PRO

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

Length Weighted Detection Limit Samples Ignored No Recovery Weighting Used

NATURAL LOG DATA

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

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

Produced by GEO-LOGIC SYSTEM and QUATTRO PRO

TABLE #4

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

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

NATURAL LOG DATA

(* - indicates only 1992 sample data)

FILE=93LHALF

		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

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

Produced by GEO-LOGIC SYSTEM and QUATTRO PRO

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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
FIR		4.93	13.06	12.77	147	5.42	9.44	24.25	106	3.14	1.06	5.21	49
PIR		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
FTR		8.31	14	45.67	59	5.5	5.65	12.23	77	2.64	4.00	6.10	78
PTR		8.02	10.37	35.25	58	8.22	5.33	18.15	78	3.30	2.33	8.52	76
LTR		6.3	16.13	11.93	41	5.13	6.14	14.55	66	2.19	2.24	6.56	63
WMT		3.82	8.16	20.1	59	5.71	16.01	20.6	77	7.53	24.31	33.30	69

Produced by GEO-LOGIC SYSTEM and QUATTRO PRO

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

Length Weighted Detection Limit Samples Ignored No Recovery Weighting Used

NORMAL DATA

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

		ROCK TYPE -> CLEV			14	ROCK TYPE -> QUAR			61	ROCK TYPE -> FAIR			16
	element	mean	stand. Dev.	95 %	Samples	mean	stand. Dev.	95 %	Samples	mean	stand. Dev.	95 %	Samples
AU	ppb	7.5	2.5	10.44	2	24.44	44.93	191	18	29.00	17.72	61.88	5
AG	PPM	0	0	0	0	1.1	0.73	1.96	4	2.00	4.00	1.95	1
AL	%	6.49	1.57	7.41	14	6.84	1.42	8.47	61	6.33	1.32	7.82	15
BA	PPM	1130	337.36	1495.5	14	488.03	824.11	1590	61	211.25	214.27	781.00	16
BE	PPM	0	0	0	0	1.05	0.47	2	10	1.00	1.00	0.99	1
BI	PPM	6.15	2.28	11.3	13	6.92	4.87	19.07	37	3.00	1.00	3.97	6
CA	%	2.12	0.99	4.07	14	2.77	3.22	8.38	61	4.63	1.60	8.33	15
CD	PPM	0.61	0.21	1	9	0.83	0.8	3.46	29	0.00	0.00	0.00	0
CO	PPM	7.85	2.63	12.62	13	18.34	19.8	49.88	61	11.17	20.31	77.00	12
CR	PPM	78.93	8.48	93.53	14	84.95	29.01	133.51	61	13.69	7.17	25.20	16
CUG	PPM	21.92	36.12	111.6	12	701.75	2206.87	9909.17	59	1966.13	2571.87	9912.50	15
CUA	%	0	0	0	0	1.63	0.48	2.22	3	1.64	2.69	1.92	1
FE	%	6.02	2.44	11.6	14	4.69	3.08	10.48	61	7.69	5.01	24.30	16
K	%	6.44	1.76	7.93	14	1.56	1.38	4.02	61	1.93	0.55	2.91	10
MG	%	1.63	0.53	2.58	14	2.15	1.42	4.89	61	3.18	1.08	4.54	11
MN	PPM	888.93	263	1493.43	14	1156.23	847.29	2790	61	1896.25	1467.22	4970.00	16
MO	PPM	2	1.47	6.09	12	3.14	4.35	11.6	28	1.38	0.70	2.94	8
NA	%	0.32	0.34	1.22	14	2.89	1.7	5.46	61	3.58	1.04	5.90	14
NI	PPM	17.07	4.42	24.37	14	28.38	21.95	65.91	61	54.63	32.09	105.60	16
P	PPM	1049.29	696.21	2895	14	741.67	353.39	1350	60	515.63	259.69	1053.00	16
PB	PPM	4	16	3.8	1	78.67	144.45	409.5	6	4.00	16.00	3.80	1
SR	PPM	17.86	8.11	38.6	14	48.31	42.91	164.75	61	111.06	75.93	284.00	16
TI	%	0.18	0.04	0.24	14	0.27	0.17	0.56	61	0.00	0.00	0.00	0
V	PPM	69	18.92	110.85	14	94.3	89.55	349.5	61	121.88	89.50	244.00	16
W	PPM	18.57	7.42	38.6	14	21.49	19.35	58.25	47	24.62	9.29	38.38	13
ZN	PPM	16.86	3.68	25.23	14	76.3	252.27	160.88	61	160.88	476.77	1920.00	16
LA	PPM	57.86	62.13	259.5	14	40.43	27.66	88.9	46	35.00	25.00	59.40	4
U	PPM	0	0	0	0	40.71	48.91	193	14	0.00	0.00	0.00	0
KNR		38.18	18.2	64.35	14	1.16	1.42	4.88	61	0.73	0.32	1.24	9
CCR		0.26	0.41	1.14	11	2.13	5.71	19.54	59	39.41	44.64	164.00	12
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
FIR		4.37	5.64	13.31	25	27.3	38.89	111.15	6	0.00	0.00	0.00	0
PTR		5.3	5.07	20.63	25	3.75	3	8.81	5	0.00	0.00	0.00	0
LTR		2.29	2.24	7.89	13	2.72	0.71	3.49	5	0.00	0.00	0.00	0
WMT		5.58	10.83	37.62	19	13.92	14.28	34.47	3	0.00	0.00	0.00	0

Produced by GEO-LOGIC SYSTEM and QUATTRO PRO

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

Produced by GEO-LOGIC SYSTEM and QUATTRO PRO

TABLE #2

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

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

NORMAL DATA

(* - indicates only 1992 sample data)

FILE=93STATDT

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

Produced by GEO-LOGIC SYSTEM and QUATTRO PRO

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

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

NORMAL DATA

(* - indicates only 1992 sample data)

FILE=93STATDT

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

Produced by GEO-LOGIC SYSTEM and QUATTRO PRO

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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
PIR		7.21	10.07	29.38	65	5.88	5.69	17.2	112	3.16	2.36	7.20	80
LIR		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
FIR		4.18	4.64	19.3	14	3.42	11.7	5.95	61	0.50	0.00	0.50	16
PIR		6.46	4.86	19.3	14	4.83	8.07	14.95	61	0.50	0.00	0.50	16
LIR		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

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

Produced by GEO-LOGIC SYSTEM and QUATTRO PRO

TABLE #3

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

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

NATURAL LOG DATA

(* - indicates only 1992 sample data)

FILE=93STATDT

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

Produced by GEO-LOGIC SYSTEM and QUATTRO PRO

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

Produced by GEO-LOGIC SYSTEM and QUATTRO PRO

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

Length Weighted Detection Limit Samples Ignored No Recovery Weighting Used

NATURAL LOG DATA

(* - indicates only 1992 sample data)

FILE=93STATDT

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

Produced by GEO-LOGIC SYSTEM and QUATTRO PRO

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

Length Weighted Detection Limit Samples Ignored No Recovery Weighting Used

NATURAL LOG DATA

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

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

Produced by GEO-LOGIC SYSTEM and QUATTRO PRO

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

Length Weighted Detection Limit Samples Ignored No Recovery Weighting Used

NATURAL LOG DATA

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

		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
PIR		5.28	0.82	20.35	25	4.38	1.22	9.42	5	0.00	0.00	0.00	0
LIR		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

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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
FIR		0.75	0.11	0.87	3	4.14	0.81	19.56	13	0.00	0.00	0.00	0
PTR		0.86	0.06	0.92	3	4.55	0.48	10.37	13	0.00	0.00	0.00	0
LTR		0	0	0	0	2.28	0.57	5.09	12	0.00	0.00	0.00	0
WMT		0.21	0.13	0.23	2	1.5	2.01	35.61	7	0.00	0.00	0.00	0

Produced by GEO-LOGIC SYSTEM and QUATTRO PRO

TABLE #4

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

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

NATURAL LOG DATA

(* - indicates only 1992 sample data)

FILE=93STATDT

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

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

Produced by GEO-LOGIC SYSTEM and QUATTRO PRO

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

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

NATURAL LOG DATA

(* - indicates only 1992 sample data)

FILE=93STATDT

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

		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	3.12	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
PIR		6.21	0.53	18.77	14	4.52	0.96	14.49	61	0.00	0.00	0.50	16
LTR		3.83	1.02	23.92	14	1.5	0.86	5.11	61	0.00	0.00	0.50	16
WMT		1.27	0.58	4.35	14	0.93	0.93	5.08	61	0.00	0.00	0.50	16

Produced by GEO-LOGIC SYSTEM and QUATTRO PRO

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

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

NATURAL LOG DATA

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

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

Produced by GEO-LOGIC SYSTEM and QUATTRO PRO

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

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

NATURAL LOG DATA

(* - indicates only 1992 sample data)

FILE=93STATDT

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

Produced by GEO-LOGIC SYSTEM and QUATTRO PRO

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

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

Produced by GEO – LOGICK SYSTEM and LOTUS123

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

	AU	AG	AL	BA	BE	BI	CA	CD	CO	CR	CUG	CUA	FE	K	MG	MN	MO	NA	NI	P	PB	SR	TI	V	W	ZN	LA	U
AU	1																											
#PRS	1359																											
AG	0.491	1																										
#PRS	1359	1359																										
AL	−0.073	−0.215	1																									
#PRS	1359	1359	1359																									
BA	−0.101	−0.234	0.37	1																								
#PRS	1359	1359	1359	1359																								
BE	0.051	−0.044	0.161	0.028	1																							
#PRS	1359	1359	1359	1359	1359																							
BI	0.027	0.111	−0.061	0.022	−0.023	1																						
#PRS	1359	1359	1359	1359	1359	1359																						
CA	−0.11	−0.208	0.023	0.09	−0.064	0.04	1																					
#PRS	1359	1359	1359	1359	1359	1359	1359																					
CD	−0.026	0.104	−0.037	−0.06	−0.026	0.148	0.088	1																				
#PRS	1359	1359	1359	1359	1359	1359	1359	1359																				
CO	0.305	0.199	0.068	−0.017	0.038	0.114	0.119	0.118	1																			
#PRS	1359	1359	1359	1359	1359	1359	1359	1359	1359																			
CR	−0.056	−0.04	0.261	0.202	0.106	0.017	0.149	0.143	0.556	1																		
#PRS	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359																		
CUG	0.634	0.437	−0.068	−0.185	0.066	0	−0.109	−0.067	0.217	−0.164	1																	
#PRS	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359																	
CUA	0.064	0.131	−0.096	−0.028	−0.044	0.154	−0.116	−0.021	0.015	−0.014	0	1																
#PRS	144	144	144	144	144	144	144	144	144	144	144	144																
FE	0.084	0.042	0.06	0.073	−0.17	−0.029	0.017	0.003	0.146	0.041	0.063	−0.016	1															
#PRS	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	144	1359															
K	−0.065	−0.167	0.462	0.736	0.038	0.037	0.162	0.018	0.18	0.422	−0.166	−0.077	0.09	1														
#PRS	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	144	1359	1359														
MG	−0.061	−0.101	0.082	0.165	−0.136	0.001	0.318	0.081	0.359	0.416	−0.101	−0.081	0.22	0.377	1													
#PRS	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	144	1359	1359	1359													
MN	−0.135	−0.175	0.05	0.186	−0.171	0.048	0.44	−0.028	−0.026	−0.017	−0.056	−0.015	0.257	0.136	0.173	1												
#PRS	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	144	1359	1359	1359	1359												
MO	0.493	0.321	−0.035	0.026	0.002	−0.015	−0.165	−0.136	0.2	−0.059	0.371	−0.009	0.135	0.016	−0.029	−0.067	1											
#PRS	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	144	1359	1359	1359	1359	1359											
NA	−0.039	−0.133	0.408	−0.075	0.22	−0.056	0.231	0.006	0.202	0.366	−0.04	−0.068	−0.115	−0.056	−0.008	0.007	−0.171	1										
#PRS	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	144	1359	1359	1359	1359	1359	1359										
NI	0.295	0.237	0.061	−0.008	−0.015	0.08	−0.211	0.056	0.441	0.049	0.239	0.022	0.226	0.025	0.138	−0.127	0.219	−0.076	1									
#PRS	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	144	1359	1359	1359	1359	1359	1359	1359									
P	−0.092	−0.228	0.366	0.285	0.057	0.096	0.181	−0.03	−0.011	0.072	−0.127	−0.023	0.027	0.213	−0.005	0.18	0.068	0.164	0.025	1								
#PRS	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	144	1359	1359	1359	1359	1359	1359	1359									
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	−0.139	0.141	0.263	0.243	0.045	0.29	0.032	−0.01	−0.042	0.04	−0.015	−0.078	0.047	−0.052	0.15	−0.063	0.295	−0.014	0.158	0.141	1						
#PRS	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	144	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359						
TI	−0.124	−0.151	0.319	0.289	0.078	0.007	0.276	0.164	0.523	0.835	−0.204	−0.047	0.125	0.459	0.475	0.102	−0.113	0.428	0.008	0.17	−0.032	0.103	1					
#PRS	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	144	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359					
V	−0.064	−0.21	0.361	0.239	−0.069	−0.153	0.126	0.026	0.069	0.072	0.001	−0.049	0.326	0.255	0.296	0.154	0.066	0.07	0.217	0.283	−0.136	0.098	0.279	1				
#PRS	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	144	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359				
W	0.344	0.34	0.006	0.008	−0.204	0.037	0.122	0.196	0.45	0.265	0.209	0.083	0.208	0.163	0.27	0.046	0.187	−0.004	0.199	−0.115	0.076	−0.107	0.253	0.071	1			
#PRS	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	144	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359			
ZN	0.196	0.287	−0.115	−0.094	−0.053	0.001	0.04	0.248	0.345	0.207	0.233	0.054	0.197	−0.019	0.283	0.038	0.134	−0.02	0.322	−0.129	0.322	0.081	0.239	0.073	0.302	1		
#PRS	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	144	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359		
LA	0.135	−0.026	0.214	0.3	0.049	−0.004	−0.29	−0.08	0.104	0.153	−0.018	−0.009	0.071	0.277	0.006	−0.108	0.24	−0.069	0.098	0.208	−0.067	−0.188	0.091	0.094	0.117	−0.027	1	
#PRS	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	144	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	
U	0.119	0.185	−0.128	−0.069	−0.065	0.033	0.124	0.024	0.078	−0.104	0.117	0.012	−0.04	−0.098	0.055	0.007	0.092	−0.074	−0.002	−0.058	0.233	0.034	−0.064	−0.031	0.149	0.107	−0.263	1
#PRS	1019	1019	1019	1019	1019	1019	1019	1019	1019	1019	1019	95	1019	1019	1019	1019	1019	1019	1019	1019	1019	1019	1019	1019	1019	1019	1019	1019
	AU	AG	AL	BA	BE	BI	CA	CD	CO	CR	CUG	CUA	FE	K	MG	MN	MO	NA	NI	P	PB	SR	TI	V	W	ZN	LA	U

Produced by GEO – LOGICK SYSTEM and LOTUS123

FAIRCHILD LAKE GEOCHEMISTRY ----- NORMAL CORRELATION MATRIX ROCK TYPE ---> SLAB
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	191																											
AG	0.187	1																										
#PRS	191	191																										
AL	−0.021	−0.132	1																									
#PRS	191	191	191																									
BA	−0.103	−0.23	0.16	1																								
#PRS	191	191	191	191																								
BE	−0.044	−0.085	0.364	−0.041	1																							
#PRS	191	191	191	191	191																							
BI	−0.027	0.016	0.031	−0.1	−0.041	1																						
#PRS	191	191	191	191	191	191																						
CA	−0.14	−0.214	−0.323	−0.063	−0.094	0.171	1																					
#PRS	191	191	191	191	191	191	191																					
CD	−0.043	−0.049	−0.177	−0.117	−0.018	−0.043	0.092	1																				
#PRS	191	191	191	191	191	191	191	191																				
CO	0.106	−0.034	0.126	−0.131	0.224	0.519	0.067	−0.015	1																			
#PRS	191	191	191	191	191	191	191	191	191																			
CR	0.069	−0.195	0.007	−0.001	0.158	−0.08	−0.149	0.462	0.084	1																		
#PRS	191	191	191	191	191	191	191	191	191	191																		
CUG	0.377	0.433	0.043	−0.156	0.018	0.158	−0.277	−0.145	0.346	−0.137	1																	
#PRS	191	191	191	191	191	191	191	191	191	191	191																	
CUA	0.06	0.723	−0.007	−0.047	0	−0.017	−0.048	−0.004	−0.079	−0.051	0	1																
#PRS	23	23	23	23	23	23	23	23	23	23	23	23																
FE	0.168	0.152	0.076	−0.195	−0.204	0.162	−0.07	0.061	0.154	0.036	0.255	0.01	1															
#PRS	191	191	191	191	191	191	191	191	191	191	191	23	191															
K	−0.008	−0.233	0.257	0.725	−0.021	−0.12	−0.109	−0.144	−0.017	0.018	−0.106	−0.011	−0.108	1														
#PRS	191	191	191	191	191	191	191	191	191	191	191	23	191	191														
MG	−0.091	−0.186	0.177	0.09	0.11	−0.022	0.051	0.145	0.172	0.169	−0.05	−0.005	0.406	0.202	1													
#PRS	191	191	191	191	191	191	191	191	191	191	191	23	191	191	191													
MN	−0.123	−0.192	−0.064	0.132	−0.048	0.163	0.433	0.075	0.192	0.127	−0.224	−0.034	0.163	−0.078	0.155	1												
#PRS	191	191	191	191	191	191	191	191	191	191	191	23	191	191	191	191												
MO	0.042	0.117	0.049	−0.096	−0.051	−0.005	−0.107	−0.051	−0.023	−0.142	0.054	0.181	−0.01	−0.118	−0.135	−0.059	1											
#PRS	191	191	191	191	191	191	191	191	191	191	191	23	191	191	191	191	191											
NA	−0.007	0.12	0.42	−0.401	0.173	−0.013	−0.108	−0.08	−0.034	−0.198	0.095	−0.001	−0.074	−0.462	−0.129	−0.303	0.073	1										
#PRS	191	191	191	191	191	191	191	191	191	191	191	23	191	191	191	191	191	191										
NI	0.12	0.183	0.079	−0.067	0.154	0.081	−0.159	0.169	0.662	0.135	0.497	−0.038	0.167	−0.036	0.324	0.047	−0.001	−0.024	1									
#PRS	191	191	191	191	191	191	191	191	191	191	191	23	191	191	191	191	191	191	191									
P	0.09	−0.218	0.394	0.051	0.209	−0.191	−0.117	−0.121	0.054	0.015	0.033	−0.031	0.039	0.268	0.186	−0.07	−0.057	0.151	−0.078	1								
#PRS	191	191	191	191	191	191	191	191	191	191	191	23	191	191	191	191	191	191	191	191								
PB	0.003	0.093	0.058	−0.114	0.088	0.011	0.135	0.39	0.008	−0.068	0.032	0.022	−0.068	−0.125	−0.134	0.021	−0.005	0.081	−0.026	−0.027	1							
#PRS	191	191	191	191	191	191	191	191	191	191	191	23	191	191	191	191	191	191	191	191	191							
SR	0.008	−0.116	0.346	0.161	0.268	0.152	0.14	0.065	0.122	0.21	−0.101	−0.037	0.143	0.009	0.136	0.418	−0.119	−0.12	−0.023	0.133	0.128	1						
#PRS	191	191	191	191	191	191	191	191	191	191	191	23	191	191	191	191	191	191	191	191	191	191						
TI	−0.059	−0.056	0.129	−0.019	−0.062	−0.056	0.012	0.145	−0.028	0.327	−0.11	−0.061	0.54	0.041	0.373	0.069	−0.128	−0.007	−0.019	0.153	−0.098	0.247	1					
#PRS	191	191	191	191	191	191	191	191	191	191	191	23	191	191	191	191	191	191	191	191	191	191	191					
V	−0.019	0.022	−0.153	−0.113	−0.064	−0.023	−0.106	0.695	0.008	0.469	0.026	0.007	0.202	−0.12	0.373	−0.057	−0.009	−0.049	0.323	−0.077	−0.045	−0.012	0.33	1				
#PRS	191	191	191	191	191	191	191	191	191	191	191	23	191	191	191	191	191	191	191	191	191	191	191	191				
W	0.402	0.314	−0.013	−0.256	−0.126	0.295	−0.089	0.085	0.327	0.178	0.599	0.107	0.536	−0.179	0.117	0.008	0.025	0.015	0.317	0.06	0.006	0.04	0.233	0.236	1			
#PRS	191	191	191	191	191	191	191	191	191	191	191	23	191	191	191	191	191	191	191	191	191	191	191	191	191			
ZN	0.108	0.028	0.072	−0.029	0.093	0.102	−0.042	0.185	0.411	0.343	0.252	−0.041	0.265	−0.043	0.239	0.534	−0.048	−0.274	0.405	0.008	0.058	0.369	0.153	0.146	0.43	1		
#PRS	191	191	191	191	191	191	191	191	191	191	191	23	191	191	191	191	191	191	191	191	191	191	191	191	191	191		
LA	0.035	−0.052	0.292	−0.062	0.095	−0.059	−0.401	−0.093	0.133	0.121	0.17	−0.025	0.041	0.036	0.046	−0.155	0.478	0.023	0.234	0.246	−0.047	−0.091	−0.036	0.019	0.12	0.079	1	
#PRS	191	191	191	191	191	191	191	191	191	191	191	23	191	191	191	191	191	191	191	191	191	191	191	191	191	191	191	
U	0.177	0.211	−0.043	−0.193	0.016	0.098	0.229	0.132	0.108	−0.061	0.229	0.068	0.054	−0.139	−0.018	0.03	0.003	0.044	0.033	−0.033	0.204	−0.095	−0.158	0.04	0.359	0.138	−0.101	1
#PRS	167	167	167	167	167	167	167	167	167	167	167	16	167	167	167	167	167	167	167	167	167	167	167	167	167	167	167	167
	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 ---> SLAB
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	191																											
AG	0.523	1																										
#PRS	191	191																										
AL	−0.004	−0.276	1																									
#PRS	191	191	191																									
BA	−0.248	−0.506	0.29	1																								
#PRS	191	191	191	191																								
BE	0.133	−0.204	0.198	0.129	1																							
#PRS	191	191	191	191	191																							
BI	−0.111	−0.098	0.034	−0.03	0.017	1																						
#PRS	191	191	191	191	191	191																						
CA	−0.364	−0.543	0.212	0.202	0.049	0.221	1																					
#PRS	191	191	191	191	191	191	191																					
CD	−0.226	−0.132	0.013	−0.049	−0.056	−0.001	0.214	1																				
#PRS	191	191	191	191	191	191	191	191																				
CO	0.363	0.081	0.235	−0.069	0.29	0.007	0.03	0.084	1																			
#PRS	191	191	191	191	191	191	191	191	191																			
CR	−0.123	−0.219	0.113	0.179	0.284	−0.077	0.338	0.269	0.495	1																		
#PRS	191	191	191	191	191	191	191	191	191	191																		
CUG	0.822	0.51	−0.046	−0.293	0.12	−0.099	−0.381	−0.216	0.339	−0.211	1																	
#PRS	191	191	191	191	191	191	191	191	191	191	191																	
CUA	0.014	0.157	0.034	−0.015	0.01	0.019	−0.179	−0.001	−0.083	−0.025	0	1																
#PRS	23	23	23	23	23	23	23	23	23	23	23	23																
FE	0.165	0.134	0.145	0.047	−0.087	0.046	0.019	−0.053	0.226	0.069	0.113	0.033	1															
#PRS	191	191	191	191	191	191	191	191	191	191	191	23	191															
K	−0.176	−0.495	0.484	0.745	0.223	0.027	0.46	0.04	0.147	0.3	−0.221	−0.068	0.224	1														
#PRS	191	191	191	191	191	191	191	191	191	191	191	23	191	191														
MG	−0.114	−0.423	0.44	0.371	0.234	0.04	0.527	0.186	0.293	0.39	−0.161	0.013	0.297	0.739	1													
#PRS	191	191	191	191	191	191	191	191	191	191	191	23	191	191	191													
MN	−0.333	−0.316	0.02	0.106	−0.025	0.168	0.586	0.179	0.016	0.246	−0.268	−0.012	0.156	0.116	0.294	1												
#PRS	191	191	191	191	191	191	191	191	191	191	191	23	191	191	191	191												
MO	0.615	0.43	0.078	−0.152	−0.049	−0.065	−0.404	−0.276	0.158	−0.264	0.594	0.147	0.119	−0.174	−0.187	−0.376	1											
#PRS	191	191	191	191	191	191	191	191	191	191	191	23	191	191	191	191	191											
NA	0.036	−0.196	0.749	0.07	0.13	−0.034	0.193	0.016	0.166	0.011	−0.075	0.056	0.014	0.266	0.308	−0.121	0.114	1										
#PRS	191	191	191	191	191	191	191	191	191	191	191	23	191	191	191	191	191	191										
NI	0.492	0.227	0.165	−0.059	0.139	−0.196	−0.273	0.02	0.521	−0.029	0.447	−0.012	0.246	0.008	0.18	−0.134	0.319	0.109	1									
#PRS	191	191	191	191	191	191	191	191	191	191	191	23	191	191	191	191	191	191	191									
P	0.046	−0.301	0.598	0.321	0.227	−0.124	0.282	−0.047	0.087	0.103	−0.017	0.001	0.149	0.421	0.328	−0.005	0.006	0.45	−0.077	1								
#PRS	191	191	191	191	191	191	191	191	191	191	191	23	191	191	191	191	191	191	191	191								
PB	0.175	0.409	−0.102	−0.213	−0.025	−0.028	−0.143	0.078	0.103	−0.064	0.246	0.172	0.061	−0.249	−0.279	0.078	0.148	−0.099	0.065	−0.231	1							
#PRS	191	191	191	191	191	191	191	191	191	191	191	23	191	191	191	191	191	191	191	191	191							
SR	−0.031	−0.36	0.43	0.32	0.322	0.11	0.396	0.168	0.253	0.314	−0.136	−0.004	0.238	0.398	0.446	0.434	−0.2	0.299	0.089	0.267	0.101	1						
#PRS	191	191	191	191	191	191	191	191	191	191	191	23	191	191	191	191	191	191	191	191	191	191						
TI	−0.245	−0.316	0.281	0.242	0.178	−0.016	0.453	0.271	0.468	0.845	−0.321	−0.095	0.238	0.441	0.56	0.286	−0.355	0.172	−0.051	0.224	−0.169	0.376	1					
#PRS	191	191	191	191	191	191	191	191	191	191	191	23	191	191	191	191	191	191	191	191	191	191	191					
V	0.014	−0.206	0.346	0.197	−0.045	0.028	0.145	0.189	0.143	0.047	−0.012	0.015	0.232	0.347	0.562	0.047	0.016	0.27	0.412	0.2	−0.227	0.177	0.25	1				
#PRS	191	191	191	191	191	191	191	191	191	191	191	23	191	191	191	191	191	191	191	191	191	191	191	191				
W	0.334	0.408	0.071	−0.258	−0.21	−0.071	−0.046	0.201	0.407	0.18	0.311	0.081	0.341	−0.106	0.105	0.089	0.216	−0.013	0.401	−0.09	0.24	0.056	0.184	0.177	1			
#PRS	191	191	191	191	191	191	191	191	191	191	191	23	191	191	191	191	191	191	191	191	191	191	191	191	191			
ZN	0.066	0.033	0.044	0.05	0.199	−0.067	0.225	0.183	0.382	0.518	0.066	−0.039	0.319	0.195	0.343	0.467	−0.043	−0.111	0.185	−0.02	0.216	0.409	0.498	0.125	0.343	1		
#PRS	191	191	191	191	191	191	191	191	191	191	191	23	191	191	191	191	191	191	191	191	191	191	191	191	191	191		
LA	0.359	0.038	0.209	0.054	0.282	−0.188	−0.358	−0.231	0.317	0.066	0.367	−0.012	0.042	0.012	0.021	−0.263	0.322	0.101	0.395	0.184	−0.024	−0.009	−0.017	0.222	0.122	0.14	1	
#PRS	191	191	191	191	191	191	191	191	191	191	191	23	191	191	191	191	191	191	191	191	191	191	191	191	191	191	191	
U	0.146	0.331	−0.036	−0.136	−0.068	0.124	0.12	0.08	0.057	−0.047	0.126	0.041	−0.035	−0.152	−0.056	0.004	0.065	−0.023	0.008	−0.035	0.278	−0.06	−0.054	−0.063	0.261	0.055	−0.183	1
#PRS	167	167	167	167	167	167	167	167	167	167	167	16	167	167	167	167	167	167	167	167	167	167	167	167	167	167	167	167
	AU	AG	AL	BA	BE	BI	CA	CD	CO	CR	CUG	CUA	FE	K	MG	MN	MO	NA	NI	P	PB	SR	TI	V	W	ZN	LA	U

Produced by GEO – LOGICK SYSTEM and LOTUS123

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

	AU	AG	AL	BA	BE	BI	CA	CD	CO	CR	CUG	CUA	FE	K	MG	MN	MO	NA	NI	P	PB	SR	TI	V	W	ZN	LA	U
AU	1																											
#PRS	1248																											
AG	0	1																										
#PRS	1248	1249																										
AL	−0.077	−0.058	1																									
#PRS	1248	1249	1249																									
BA	0.128	0.035	0.061	1																								
#PRS	1248	1249	1249	1249																								
BE	−0.045	0.007	0.324	−0.082	1																							
#PRS	1248	1249	1249	1249	1249																							
BI	−0.016	−0.015	0.058	−0.011	−0.038	1																						
#PRS	1248	1249	1249	1249	1249	1249																						
CA	0.018	0.081	−0.106	−0.011	0.055	−0.048	1																					
#PRS	1248	1249	1249	1249	1249	1249	1249																					
CD	0.005	0.245	−0.161	0.02	−0.029	−0.024	0.229	1																				
#PRS	1248	1249	1249	1249	1249	1249	1249	1249																				
CO	0.37	0.044	−0.007	0.15	0.009	0.181	0.018	−0.001	1																			
#PRS	1248	1249	1249	1249	1249	1249	1249	1249	1249																			
CR	−0.049	−0.15	0.541	−0.093	0.084	0.04	−0.075	−0.171	0.049	1																		
#PRS	1248	1249	1249	1249	1249	1249	1249	1249	1249	1249																		
CUG	0.621	0.014	−0.05	0.108	−0.067	0.066	0.031	−0.012	0.235	0.025	1																	
#PRS	1248	1249	1249	1249	1249	1249	1249	1249	1249	1249	1249																	
CUA	0.31	0	0.003	0.013	−0.009	0	0.003	0	−0.008	0.001	0	1																
#PRS	2	2	2	2	2	2	2	2	2	2	2	2																
FE	0.196	0.204	0.223	0.489	−0.032	0.099	0	0.056	0.451	0.142	0.179	−0.008	1															
#PRS	1248	1249	1249	1249	1249	1249	1249	1249	1249	1249	1249	2	1249															
K	0.034	−0.017	0.556	0.457	0.196	−0.043	−0.037	−0.079	−0.034	0.27	0.076	0.006	0.243	1														
#PRS	1248	1249	1249	1249	1249	1249	1249	1249	1249	1249	1249	2	1249	1249														
MG	0.003	0.302	−0.159	−0.055	−0.024	−0.041	0.31	0.265	0.043	0.012	0.036	0.003	0.155	0.035	1													
#PRS	1248	1249	1249	1249	1249	1249	1249	1249	1249	1249	1249	2	1249	1249	1249													
MN	0.19	0.201	−0.115	0.445	−0.037	0.077	0.103	0.13	0.363	−0.151	0.206	0.002	0.585	0.036	0.107	1												
#PRS	1248	1249	1249	1249	1249	1249	1249	1249	1249	1249	1249	2	1249	1249	1249	1249												
MO	0.31	0.032	−0.046	0.42	−0.083	0.02	−0.005	−0.015	0.381	−0.069	0.347	−0.044	0.58	0.108	−0.036	0.435	1											
#PRS	1248	1249	1249	1249	1249	1249	1249	1249	1249	1249	1249	2	1249	1249	1249	1249	1249											
NA	−0.037	−0.03	0.422	−0.038	0.231	0.032	−0.046	−0.126	0.039	0.117	−0.007	0.002	0.029	0.147	−0.071	−0.024	−0.099	1										
#PRS	1248	1249	1249	1249	1249	1249	1249	1249	1249	1249	1249	2	1249	1249	1249	1249	1249	1249										
NI	0.117	0.071	0.147	0.056	0.012	0.146	0.015	0.017	0.502	0.332	0.148	−0.011	0.389	0.045	0.116	0.252	0.237	0.034	1									
#PRS	1248	1249	1249	1249	1249	1249	1249	1249	1249	1249	1249	2	1249	1249	1249	1249	1249	1249	1249									
P	0.203	0.034	−0.156	0.203	−0.085	0.024	0.045	0.027	0.525	−0.051	0.204	0	0.322	−0.099	−0.031	0.357	0.365	0.004	0.284	1								
#PRS	1248	1249	1249	1249	1249	1249	1249	1249	1249	1249	1249	2	1249	1249	1249	1249	1249	1249	1249	1249								
PB	0	0.375	0.001	−0.032	0.064	−0.035	0.055	0.249	0.044	−0.049	0.01	−0.019	0.109	−0.134	0.081	0.131	0.027	−0.12	0.029	0.017	1							
#PRS	1248	1249	1249	1249	1249	1249	1249	1249	1249	1249	1249	2	1249	1249	1249	1249	1249	1249	1249	1249	1249							
SR	0.038	−0.006	0.419	0.175	0.063	0.032	0.036	0.026	−0.005	0.229	0.073	0.008	0.12	0.154	−0.086	0.043	0.007	0.182	0.082	0.013	0.052	1						
#PRS	1248	1249	1249	1249	1249	1249	1249	1249	1249	1249	1249	2	1249	1249	1249	1249	1249	1249	1249	1249	1249	1249						
TI	−0.087	−0.141	0.386	−0.077	0.055	0.027	−0.107	−0.138	−0.087	0.584	−0.074	−0.002	0.089	0.186	−0.013	−0.275	−0.212	0.231	0.11	−0.209	−0.038	0.259	1					
#PRS	1248	1249	1249	1249	1249	1249	1249	1249	1249	1249	1249	2	1249	1249	1249	1249	1249	1249	1249	1249	1249	1249	1249					
V	−0.019	−0.134	0.269	0.028	−0.049	0.006	−0.104	−0.058	−0.015	0.48	0.004	−0.002	0.268	0.092	0.09	−0.138	−0.066	0.084	0.112	−0.115	0.027	0.148	0.718	1				
#PRS	1248	1249	1249	1249	1249	1249	1249	1249	1249	1249	1249	2	1249	1249	1249	1249	1249	1249	1249	1249	1249	1249	1249	1249				
W	0.065	−0.047	−0.026	−0.04	0.003	−0.039	0.002	−0.041	0.002	0.22	0.092	0.018	0.056	0.036	0.108	−0.047	−0.073	−0.042	0.045	−0.048	−0.011	−0.103	0.17	0.284	1			
#PRS	1248	1249	1249	1249	1249	1249	1249	1249	1249	1249	1249	2	1249	1249	1249	1249	1249	1249	1249	1249	1249	1249	1249	1249	1249			
ZN	−0.043	0.098	−0.001	−0.128	0.04	0.011	0.007	0.238	0.012	0.042	−0.048	−0.008	−0.007	−0.142	−0.061	0.015	−0.041	−0.161	0.246	0.022	0.332	0.061	−0.028	0.017	−0.025	1		
#PRS	1248	1249	1249	1249	1249	1249	1249	1249	1249	1249	1249	2	1249	1249	1249	1249	1249	1249	1249	1249	1249	1249	1249	1249	1249	1249		
LA	0.013	0.027	0.47	0.051	0.204	0.088	−0.032	0.013	0.112	0.265	0.066	0.01	0.183	0.173	−0.126	0.049	0.087	0.166	0.335	0.1	0.089	0.226	0.117	0.061	−0.052	0.247	1	
#PRS	1248	1249	1249	1249	1249	1249	1249	1249	1249	1249	1249	2	1249	1249	1249	1249	1249	1249	1249	1249	1249	1249	1249	1249	1249	1249	1249	
U	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
#PRS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	AU	AG	AL	BA	BE	BI	CA	CD	CO	CR	CUG	CUA	FE	K	MG	MN	MO	NA	NI	P	PB	SR	TI	V	W	ZN	LA	U

Produced by GEO-LOGICK SYSTEM and LOTUS123

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

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

Produced by GEO-LOGICK SYSTEM and LOTUS123

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

	AU	AG	AL	BA	BE	BI	CA	CD	CO	CR	CUG	CUA	FE	K	MG	MN	MO	NA	NI	P	PB	SR	TI	V	W	ZN	LA	U
AU	1																											
#PRS	152																											
AG	-0.009	1																										
#PRS	152	152																										
AL	-0.075	0.113	1																									
#PRS	152	152	152																									
BA	0.13	-0.142	-0.227	1																								
#PRS	152	152	152	152																								
BE	-0.105	0.108	0.43	-0.158	1																							
#PRS	152	152	152	152	152																							
BI	0.019	0.012	-0.056	-0.045	0.04	1																						
#PRS	152	152	152	152	152	152																						
CA	-0.004	-0.025	0.129	0.041	0.196	-0.063	1																					
#PRS	152	152	152	152	152	152	152																					
CD	-0.034	0.422	0.214	0.033	0.274	-0.082	0.502	1																				
#PRS	152	152	152	152	152	152	152	152																				
CO	0.027	0.417	0.179	-0.062	0.153	-0.035	0.088	0.3	1																			
#PRS	152	152	152	152	152	152	152	152	152																			
CR	0	0.004	0.701	-0.015	0.06	0.035	0.05	0.118	0.115	1																		
#PRS	152	152	152	152	152	152	152	152	152	152																		
CUG	0.159	0.064	-0.108	0.127	-0.032	0.08	0.014	0.046	0.585	0.025	1																	
#PRS	152	152	152	152	152	152	152	152	152	152	152																	
CUA	0	0	0	0	0	0	0	0	0	0	0	0																
#PRS	0	0	0	0	0	0	0	0	0	0	0	0																
FE	-0.089	0.124	0.512	-0.145	0.032	0.035	0.097	0.166	0.393	0.564	0.019	0	1															
#PRS	152	152	152	152	152	152	152	152	152	152	152	0	152															
K	0.187	-0.241	0.103	0.536	0.044	-0.131	0.034	0.006	-0.193	0.079	-0.019	0	-0.052	1														
#PRS	152	152	152	152	152	152	152	152	152	152	152	0	152	152														
MG	0.045	0.025	0.038	-0.05	0.243	-0.252	0.168	0.125	0.455	-0.058	0.234	0	0.169	0.098	1													
#PRS	152	152	152	152	152	152	152	152	152	152	152	0	152	152	152													
MN	0.043	0.314	-0.074	0.204	0.124	-0.061	0.253	0.31	0.387	-0.052	0.299	0	0.085	-0.075	0.232	1												
#PRS	152	152	152	152	152	152	152	152	152	152	152	0	152	152	152	152												
MO	0.068	0.123	0.281	-0.048	0.025	0.002	0.048	0.055	0.348	0.317	0.263	0	0.328	-0.015	-0.016	0.128	1											
#PRS	152	152	152	152	152	152	152	152	152	152	152	0	152	152	152	152	152											
NA	0.084	-0.127	-0.34	-0.111	0.135	-0.056	0.034	-0.052	-0.083	-0.482	0.088	0	-0.532	-0.001	0.294	-0.038	-0.204	1										
#PRS	152	152	152	152	152	152	152	152	152	152	152	0	152	152	152	152	152	152										
NI	-0.029	0.153	0.638	-0.157	0.326	-0.094	0.165	0.19	0.624	0.484	0.243	0	0.534	0.025	0.506	0.192	0.409	-0.109	1									
#PRS	152	152	152	152	152	152	152	152	152	152	152	0	152	152	152	152	152	152	152									
P	0.062	0.12	-0.145	-0.024	0.059	0.09	0.055	0.005	0.371	-0.08	0.358	0	0.085	-0.192	0.175	0.436	0.163	0.026	0.203	1								
#PRS	152	152	152	152	152	152	152	152	152	152	152	0	152	152	152	152	152	152	152	152								
PB	-0.038	0.8	0.17	-0.145	0.144	-0.04	0.041	0.519	0.474	0.026	0.055	0	0.131	-0.239	0.034	0.3	0.012	-0.144	0.191	0.069	1							
#PRS	152	152	152	152	152	152	152	152	152	152	152	0	152	152	152	152	152	152	152	152	152							
SR	-0.032	0.085	0.217	0.308	0.001	0.071	0.161	0.267	0.262	0.41	0.033	0	0.365	-0.161	-0.146	0.201	0.138	-0.535	0.196	0.069	0.18	1						
#PRS	152	152	152	152	152	152	152	152	152	152	152	0	152	152	152	152	152	152	152	152	152	152						
TI	0.033	-0.074	-0.174	0.005	-0.271	-0.026	0.049	0.03	0.242	0.065	0	0	0.421	-0.085	0.21	-0.045	0.114	-0.181	0.053	0.002	-0.045	0.199	1					
#PRS	152	152	152	152	152	152	152	152	152	152	152	0	152	152	152	152	152	152	152	152	152	152	152					
V	0.011	-0.103	-0.029	-0.062	-0.228	0.063	-0.061	-0.095	0.336	0.269	0.223	0	0.613	-0.07	0.353	-0.067	0.141	-0.169	0.212	0.149	-0.104	0.16	0.677	1				
#PRS	152	152	152	152	152	152	152	152	152	152	152	0	152	152	152	152	152	152	152	152	152	152	152	152				
W	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
#PRS	152	152	152	152	152	152	152	152	152	152	152	0	152	152	152	152	152	152	152	152	152	152	152	152	152			
ZN	-0.073	0.728	0.381	-0.244	0.083	0.055	0.074	0.381	0.474	0.305	0.031	0	0.401	-0.287	-0.081	0.241	0.291	-0.412	0.428	0.159	0.673	0.255	0.101	-0.027	0	1		
#PRS	152	152	152	152	152	152	152	152	152	152	152	0	152	152	152	152	152	152	152	152	152	152	152	152	152	152		
LA	-0.031	0.203	0.48	-0.099	0.306	-0.006	0.072	0.18	0.482	0.314	0.154	0	0.344	-0.034	0.144	0.204	0.369	-0.198	0.62	0.361	0.152	0.157	-0.034	-0.024	0	0.491	1	
#PRS	152	152	152	152	152	152	152	152	152	152	152	0	152	152	152	152	152	152	152	152	152	152	152	152	152	152	152	
U	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
#PRS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	AU	AG	AL	BA	BE	BI	CA	CD	CO	CR	CUG	CUA	FE	K	MG	MN	MO	NA	NI	P	PB	SR	TI	V	W	ZN	LA	U

Produced by GEO-LOGICK SYSTEM and LOTUS123

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

	AU	AG	AL	BA	BE	BI	CA	CD	CO	CR	CUG	CUA	FE	K	MG	MN	MO	NA	NI	P	PB	SR	TI	V	W	ZN	LA	U
AU	1																											
#PRS	152																											
AG	0.032	1																										
#PRS	152	152																										
AL	-0.093	0.138	1																									
#PRS	152	152	152																									
BA	0.146	-0.158	-0.167	1																								
#PRS	152	152	152	152																								
BE	-0.131	0.111	0.317	-0.182	1																							
#PRS	152	152	152	152	152																							
BI	0.098	0.047	-0.064	0.001	0.042	1																						
#PRS	152	152	152	152	152	152																						
CA	0.097	-0.092	-0.327	0.112	0.125	-0.084	1																					
#PRS	152	152	152	152	152	152	152																					
CD	-0.047	0.323	0.213	0.048	0.224	-0.066	0.281	1																				
#PRS	152	152	152	152	152	152	152	152																				
CO	0.128	0.309	0.209	-0.049	0.072	-0.042	0.233	0.225	1																			
#PRS	152	152	152	152	152	152	152	152	152																			
CR	0.034	0.08	0.675	0.11	-0.06	0.064	-0.333	0.138	0.204	1																		
#PRS	152	152	152	152	152	152	152	152	152	152																		
CUG	0.25	0.225	-0.028	0.027	0.022	-0.013	0.273	-0.013	0.73	0.079	1																	
#PRS	152	152	152	152	152	152	152	152	152	152	152																	
CUA	0	0	0	0	0	0	0	0	0	0	0	0																
#PRS	0	0	0	0	0	0	0	0	0	0	0	0																
FE	-0.093	0.163	0.528	-0.013	-0.031	0.054	-0.251	0.172	0.402	0.572	0.157	0	1															
#PRS	152	152	152	152	152	152	152	152	152	152	152	0	152															
K	0.119	-0.224	0.104	0.614	0.093	-0.15	0.001	0.009	-0.155	0.055	-0.115	0	0.03	1														
#PRS	152	152	152	152	152	152	152	152	152	152	152	0	152	152														
MG	0.059	0.02	0.086	-0.045	0.231	-0.284	0.495	0.124	0.521	-0.046	0.393	0	0.07	0.143	1													
#PRS	152	152	152	152	152	152	152	152	152	152	152	0	152	152	152													
MN	0.102	0.299	-0.044	0.184	0.099	-0.052	0.335	0.238	0.469	-0.016	0.472	0	0.123	-0.08	0.338	1												
#PRS	152	152	152	152	152	152	152	152	152	152	152	0	152	152	152	152												
MO	0.11	0.218	0.193	-0.019	0.027	-0.026	-0.091	0.059	0.356	0.264	0.366	0	0.291	-0.031	-0.045	0.152	1											
#PRS	152	152	152	152	152	152	152	152	152	152	152	0	152	152	152	152	152											
NA	0.115	-0.168	-0.373	-0.117	0.196	-0.064	0.505	-0.037	-0.069	-0.531	-0.008	0	-0.552	0.011	0.393	0.039	-0.254	1										
#PRS	152	152	152	152	152	152	152	152	152	152	152	0	152	152	152	152	152	152										
NI	0.015	0.132	0.614	-0.086	0.246	-0.103	0.111	0.165	0.689	0.44	0.434	0	0.481	0.065	0.606	0.294	0.262	-0.037	1									
#PRS	152	152	152	152	152	152	152	152	152	152	152	0	152	152	152	152	152	152	152									
P	0.113	0.166	-0.137	-0.008	0.056	0.113	0.295	0.026	0.346	-0.053	0.467	0	0.038	-0.178	0.155	0.49	0.17	0.019	0.207	1								
#PRS	152	152	152	152	152	152	152	152	152	152	152	0	152	152	152	152	152	152	152	152								
PB	-0.123	0.521	0.395	-0.201	-0.064	0.054	-0.344	0.255	0.256	0.43	0.076	0	0.428	-0.312	-0.308	0.086	0.218	-0.643	0.135	-0.05	1							
#PRS	152	152	152	152	152	152	152	152	152	152	152	0	152	152	152	152	152	152	152	152	152							
SR	-0.013	0.122	0.229	0.373	-0.193	0.13	-0.037	0.222	0.325	0.524	0.163	0	0.474	-0.118	-0.17	0.17	0.169	-0.565	0.165	0.115	0.488	1						
#PRS	152	152	152	152	152	152	152	152	152	152	152	0	152	152	152	152	152	152	152	152	152	152						
TI	0.037	-0.027	-0.19	0.049	-0.3	-0.005	0.102	0.032	0.262	0.082	0.182	0	0.345	-0.057	0.095	-0.044	0.171	-0.095	0.012	-0.019	0.14	0.284	1					
#PRS	152	152	152	152	152	152	152	152	152	152	152	0	152	152	152	152	152	152	152	152	152	152	152					
V	0.075	-0.093	-0.01	0.006	-0.305	0.106	-0.046	-0.108	0.317	0.349	0.228	0	0.56	-0.035	0.109	-0.124	0.205	-0.197	0.176	0.108	0.059	0.338	0.576	1				
#PRS	152	152	152	152	152	152	152	152	152	152	152	0	152	152	152	152	152	152	152	152	152	152	152	152				
W	0.004	-0.007	0.005	0.014	0.001	0.001	0	-0.003	0.005	0.007	0.001	0	0.002	0.002	0	0.009	0	0	0.008	0.012	0.002	0.007	-0.004	0.012	1			
#PRS	152	152	152	152	152	152	152	152	152	152	152	0	152	152	152	152	152	152	152	152	152	152	152	152	152			
ZN	-0.104	0.556	0.486	-0.261	-0.018	0.075	-0.326	0.264	0.379	0.491	0.211	0	0.58	-0.305	-0.163	0.16	0.3	-0.612	0.352	0.095	0.87	0.457	0.194	0.119	0.004	1		
#PRS	152	152	152	152	152	152	152	152	152	152	152	0	152	152	152	152	152	152	152	152	152	152	152	152	152	152		
LA	0.025	0.243	0.39	-0.081	0.29	0.008	0.099	0.226	0.608	0.28	0.484	0	0.291	-0.02	0.367	0.363	0.296	-0.076	0.682	0.427	0.176	0.149	0.045	0.008	0.004	0.412	1	
#PRS	152	152	152	152	152	152	152	152	152	152	152	0	152	152	152	152	152	152	152	152	152	152	152	152	152	152	152	
U	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
#PRS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	AU	AG	AL	BA	BE	BI	CA	CD	CO	CR	CUG	CUA	FE	K	MG	MN	MO	NA	NI	P	PB	SR	TI	V	W	ZN	LA	U

Produced by GEO-LOGICK SYSTEM and LOTUS123

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

	AU	AG	AL	BA	BE	BI	CA	CD	CO	CR	CUG	CUA	FE	K	MG	MN	MO	NA	NI	P	PB	SR	TI	V	W	ZN	LA	U
AU	1																											
#PRS	134																											
AG	0.11	1																										
#PRS	134	134																										
AL	0.139	0.197	1																									
#PRS	134	134	134																									
BA	0.132	0.134	0.799	1																								
#PRS	134	134	134	134																								
BE	0.054	-0.087	0.108	-0.099	1																							
#PRS	134	134	134	134	134																							
BI	0.159	0.074	0.261	0.202	0.091	1																						
#PRS	134	134	134	134	134	134																						
CA	-0.021	-0.067	-0.529	-0.57	0.069	-0.309	1																					
#PRS	134	134	134	134	134	134	134																					
CD	-0.023	-0.059	-0.151	-0.09	-0.045	0.039	-0.024	1																				
#PRS	134	134	134	134	134	134	134	134																				
CO	0.131	0.152	0.507	0.384	0.315	0.26	-0.324	0.006	1																			
#PRS	134	134	134	134	134	134	134	134	134																			
CR	0.067	0.039	0.833	0.661	0.226	0.244	-0.514	-0.081	0.504	1																		
#PRS	134	134	134	134	134	134	134	134	134	134																		
CUG	0.161	0.096	-0.047	-0.123	0.314	-0.02	0.182	0.025	0.489	-0.074	1																	
#PRS	134	134	134	134	134	134	134	134	134	134	134																	
CUA	0	0	0	0	0	0	0	0	0	0	0	0																
#PRS	0	0	0	0	0	0	0	0	0	0	0	0																
FE	0.091	0.103	0.759	0.641	-0.076	0.253	-0.563	-0.159	0.652	0.722	-0.025	0	1															
#PRS	134	134	134	134	134	134	134	134	134	134	134	0	134															
K	-0.01	0.048	0.612	0.61	0.158	0.025	-0.257	-0.033	0.361	0.628	-0.034	0	0.54	1														
#PRS	134	134	134	134	134	134	134	134	134	134	134	0	134	134														
MG	-0.057	-0.06	0.046	-0.127	0.012	-0.24	0.602	-0.165	-0.024	0.115	-0.053	0	0.096	0.293	1													
#PRS	134	134	134	134	134	134	134	134	134	134	134	0	134	134	134													
MN	0.242	0.153	0.517	0.448	0.168	0.194	-0.162	-0.026	0.488	0.346	0.108	0	0.408	0.194	-0.067	1												
#PRS	134	134	134	134	134	134	134	134	134	134	134	0	134	134	134	134												
MO	0.099	0.023	0.085	0.133	0.123	0.054	-0.093	-0.019	0.023	-0.004	0.104	0	-0.013	-0.001	-0.082	-0.007	1											
#PRS	134	134	134	134	134	134	134	134	134	134	134	0	134	134	134	134	134											
NA	-0.037	-0.028	0.278	0.035	0.229	0.199	-0.241	-0.115	0.162	0.352	-0.159	0	0.203	0.092	0.076	0.101	-0.052	1										
#PRS	134	134	134	134	134	134	134	134	134	134	134	0	134	134	134	134	134	134										
NI	0.132	0.204	0.756	0.536	0.143	0.149	-0.397	-0.207	0.647	0.694	0.198	0	0.672	0.417	0.122	0.427	-0.005	0.359	1									
#PRS	134	134	134	134	134	134	134	134	134	134	134	0	134	134	134	134	134	134	134									
P	0.147	0.155	-0.319	-0.201	0.074	-0.066	0.309	0.002	0.004	-0.413	0.425	0	-0.366	-0.34	-0.19	0.178	0.073	-0.094	-0.08	1								
#PRS	134	134	134	134	134	134	134	134	134	134	134	0	134	134	134	134	134	134	134	134								
PB	0.048	0.08	0.311	0.291	0.188	0.372	-0.401	0.037	0.187	0.336	-0.023	0	0.213	0.181	-0.304	0.209	0.062	-0.003	0.145	-0.232	1							
#PRS	134	134	134	134	134	134	134	134	134	134	134	0	134	134	134	134	134	134	134	134	134							
SR	0.154	0.193	0.672	0.61	0.209	0.263	-0.309	0.046	0.569	0.521	0.167	0	0.462	0.337	-0.178	0.564	0.065	0.128	0.459	0.034	0.307	1						
#PRS	134	134	134	134	134	134	134	134	134	134	134	0	134	134	134	134	134	134	134	134	134	134						
TI	-0.135	-0.11	0.293	0.298	-0.112	0.235	-0.476	0.049	0.387	0.445	-0.168	0	0.658	0.467	0.109	-0.106	-0.026	0.288	0.237	-0.466	0.127	0.173	1					
#PRS	134	134	134	134	134	134	134	134	134	134	134	0	134	134	134	134	134	134	134	134	134	134	134					
V	-0.115	-0.074	0.397	0.442	-0.301	0.118	-0.586	-0.001	0.318	0.494	-0.204	0	0.749	0.408	0.068	-0.061	0.027	0.132	0.35	-0.511	0.157	0.048	0.833	1				
#PRS	134	134	134	134	134	134	134	134	134	134	134	0	134	134	134	134	134	134	134	134	134	134	134	134				
W	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
#PRS	134	134	134	134	134	134	134	134	134	134	134	0	134	134	134	134	134	134	134	134	134	134	134	134	134			
ZN	0.18	0.079	0.219	0.204	0.358	0.278	-0.129	0.231	0.408	0.255	0.383	0	0.062	0.123	-0.289	0.313	0.031	-0.034	0.231	0.197	0.486	0.482	-0.075	-0.151	0	1		
#PRS	134	134	134	134	134	134	134	134	134	134	134	0	134	134	134	134	134	134	134	134	134	134	134	134	134	134		
LA	0.304	0.166	0.697	0.654	0.22	0.272	-0.481	-0.154	0.464	0.586	0.192	0	0.548	0.383	-0.135	0.415	0.282	0.214	0.67	0.047	0.285	0.514	0.151	0.252	0	0.277	1	
#PRS	134	134	134	134	134	134	134	134	134	134	134	0	134	134	134	134	134	134	134	134	134	134	134	134	134	134	134	
U	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
#PRS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	AU	AG	AL	BA	BE	BI	CA	CD	CO	CR	CUG	CUA	FE	K	MG	MN	MO	NA	NI	P	PB	SR	TI	V	W	ZN	LA	U

Produced by GEO-LOGICK SYSTEM and LOTUS123

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

	AU	AG	AL	BA	BE	BI	CA	CD	CO	CR	CUG	CUA	FE	K	MG	MN	MO	NA	NI	P	PB	SR	TI	V	W	ZN	LA	U
AU	1																											
#PRS	134																											
AG	0.153	1																										
#PRS	134	134																										
AL	0.05	0.131	1																									
#PRS	134	134	134																									
BA	0.061	0.093	0.785	1																								
#PRS	134	134	134	134																								
BE	0.102	-0.08	0.071	-0.107	1																							
#PRS	134	134	134	134	134																							
BI	0.081	0.15	0.29	0.22	0.044	1																						
#PRS	134	134	134	134	134	134																						
CA	0.043	-0.077	-0.574	-0.597	0.255	-0.352	1																					
#PRS	134	134	134	134	134	134	134																					
CD	0.033	-0.069	-0.194	-0.119	-0.109	0.1	-0.037	1																				
#PRS	134	134	134	134	134	134	134	134																				
CO	0.088	0.152	0.577	0.468	0.18	0.291	-0.313	0.016	1																			
#PRS	134	134	134	134	134	134	134	134	134																			
CR	0.025	0.006	0.875	0.678	0.143	0.269	-0.52	-0.136	0.55	1																		
#PRS	134	134	134	134	134	134	134	134	134	134																		
CUG	0.187	0.081	-0.093	-0.121	0.362	-0.041	0.437	0.001	0.364	-0.113	1																	
#PRS	134	134	134	134	134	134	134	134	134	134	134																	
CUA	0	0	0	0	0	0	0	0	0	0	0	0																
#PRS	0	0	0	0	0	0	0	0	0	0	0	0																
FE	0.01	0.082	0.837	0.682	-0.1	0.235	-0.587	-0.15	0.71	0.776	-0.117	0	1															
#PRS	134	134	134	134	134	134	134	134	134	134	134	0	134															
K	-0.047	0.05	0.74	0.696	0.081	0.045	-0.333	-0.108	0.418	0.709	-0.034	0	0.649	1														
#PRS	134	134	134	134	134	134	134	134	134	134	134	0	134	134														
MG	-0.116	-0.093	0.316	0.068	0.038	-0.245	0.316	-0.228	0.119	0.339	0.05	0	0.339	0.467	1													
#PRS	134	134	134	134	134	134	134	134	134	134	134	0	134	134	134													
MN	0.212	0.225	0.434	0.398	0.194	0.248	-0.087	-0.091	0.562	0.337	0.133	0	0.437	0.216	0.016	1												
#PRS	134	134	134	134	134	134	134	134	134	134	134	0	134	134	134	134												
MO	0.084	0.06	0.112	0.171	0.177	0.001	-0.126	-0.084	0.034	0.038	0.026	0	0.035	0.069	-0.071	-0.049	1											
#PRS	134	134	134	134	134	134	134	134	134	134	134	0	134	134	134	134	134											
NA	-0.05	0.003	0.561	0.284	0.139	0.258	-0.33	-0.172	0.401	0.583	-0.182	0	0.502	0.388	0.275	0.258	-0.009	1										
#PRS	134	134	134	134	134	134	134	134	134	134	134	0	134	134	134	134	134	134										
NI	0.054	0.148	0.77	0.548	0.076	0.173	-0.395	-0.221	0.731	0.72	0.174	0	0.739	0.49	0.331	0.428	-0.008	0.528	1									
#PRS	134	134	134	134	134	134	134	134	134	134	134	0	134	134	134	134	134	134	134									
P	0.176	0.15	-0.32	-0.201	0.169	-0.092	0.511	-0.011	0.022	-0.375	0.486	0	-0.344	-0.301	-0.192	0.259	0.041	-0.138	-0.08	1								
#PRS	134	134	134	134	134	134	134	134	134	134	134	0	134	134	134	134	134	134	134	134								
PB	0.046	0.168	0.382	0.368	0.104	0.428	-0.491	-0.03	0.211	0.392	-0.109	0	0.259	0.177	-0.319	0.221	0.139	0.126	0.186	-0.218	1							
#PRS	134	134	134	134	134	134	134	134	134	134	134	0	134	134	134	134	134	134	134	134	134							
SR	0.124	0.188	0.587	0.568	0.143	0.356	-0.26	0.004	0.616	0.467	0.199	0	0.458	0.351	-0.094	0.584	0.049	0.328	0.464	0.08	0.377	1						
#PRS	134	134	134	134	134	134	134	134	134	134	134	0	134	134	134	134	134	134	134	134	134	134						
TI	-0.171	-0.101	0.512	0.42	-0.124	0.201	-0.505	0.024	0.464	0.557	-0.255	0	0.719	0.559	0.304	-0.007	0.031	0.572	0.374	-0.442	0.166	0.24	1					
#PRS	134	134	134	134	134	134	134	134	134	134	134	0	134	134	134	134	134	134	134	134	134	134	134					
V	-0.141	-0.082	0.614	0.581	-0.28	0.093	-0.649	-0.036	0.436	0.619	-0.291	0	0.811	0.538	0.267	-0.004	0.097	0.416	0.488	-0.485	0.231	0.149	0.846	1				
#PRS	134	134	134	134	134	134	134	134	134	134	134	0	134	134	134	134	134	134	134	134	134	134	134	134				
W	0.004	-0.007	0.004	0.015	0	0.001	0	-0.008	0.007	0.017	0.004	0	0.003	0.001	0	0.013	-0.001	0	0.009	0.009	0.009	0.007	-0.002	0.01	1			
#PRS	134	134	134	134	134	134	134	134	134	134	134	0	134	134	134	134	134	134	134	134	134	134	134	134	134			
ZN	0.229	0.16	0.176	0.203	0.295	0.352	-0.078	0.201	0.378	0.202	0.342	0	0.029	0.034	-0.377	0.374	0.019	-0.022	0.192	0.27	0.557	0.558	-0.098	-0.142	0.01	1		
#PRS	134	134	134	134	134	134	134	134	134	134	134	0	134	134	134	134	134	134	134	134	134	134	134	134	134	134		
LA	0.133	0.134	0.736	0.689	0.142	0.313	-0.564	-0.157	0.623	0.661	0.088	0	0.678	0.483	-0.007	0.407	0.202	0.534	0.716	0.009	0.382	0.53	0.457	0.544	0.005	0.284	1	
#PRS	134	134	134	134	134	134	134	134	134	134	134	0	134	134	134	134	134	134	134	134	134	134	134	134	134	134	134	
U	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
#PRS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	AU	AG	AL	BA	BE	BI	CA	CD	CO	CR	CUG	CUA	FE	K	MG	MN	MO	NA	NI	P	PB	SR	TI	V	W	ZN	LA	U

Produced by GEO--LOGICK SYSTEM and LOTUS123

APPENDIX H

GEOPHYSICAL REPORT

LOGISTICAL REPORT

INDUCED POLARIZATION AND MAGNETOMETER SURVEYS

FAIRCHILD PROJECT

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

WERNECKE MOUNTAINS AREA, YUKON

on behalf of

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

Field work completed: June 18 to 29, 1993

by

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

July 7, 1993

TABLE OF CONTENTS

1. INTRODUCTION

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

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

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

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

2. SURVEY LOCATION AND COVERAGE

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

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

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

3. PERSONNEL

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

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

4. INSTRUMENTATION

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

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

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

5. RECOMMENDATIONS

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

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

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

Respectfully Submitted,

Alan Scott, P. Geos.

Statement of Qualifications

for

Alan Scott, Geophysicist

of

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

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

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

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

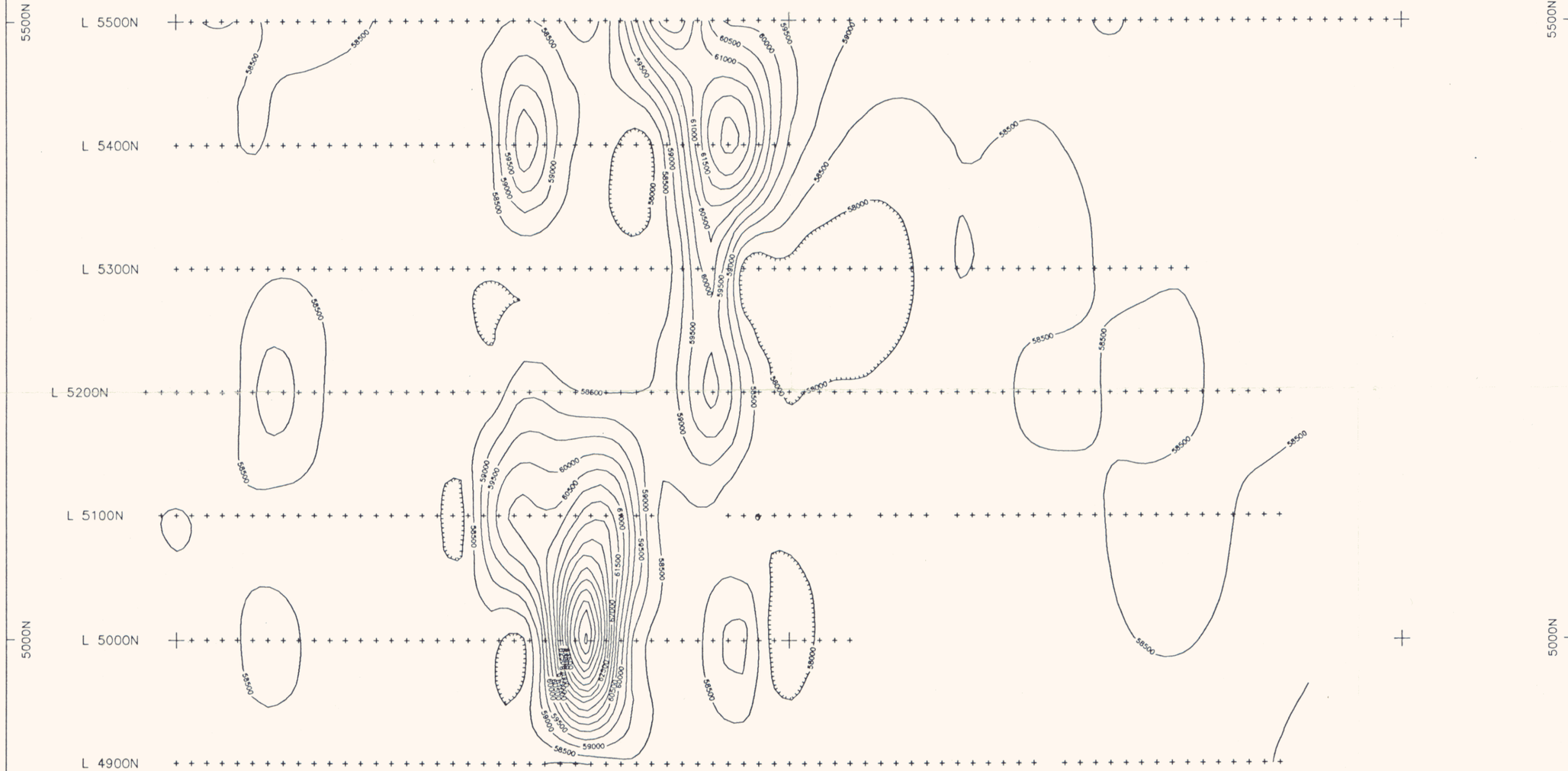
3. I graduated from the University of British Columbia with a Bachelor of Science degree (Geophysics) in 1970, and with a Master of Business Administration degree in 1982.

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

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

Respectfully submitted,

Alan Scott



SURVEY SPECIFICATIONS

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

093181

538

0 50 100 150 200

METERS

WESTMIN RESOURCES LIMITED

FAIRCHILD LAKE PROJECT

EAGLE GRID

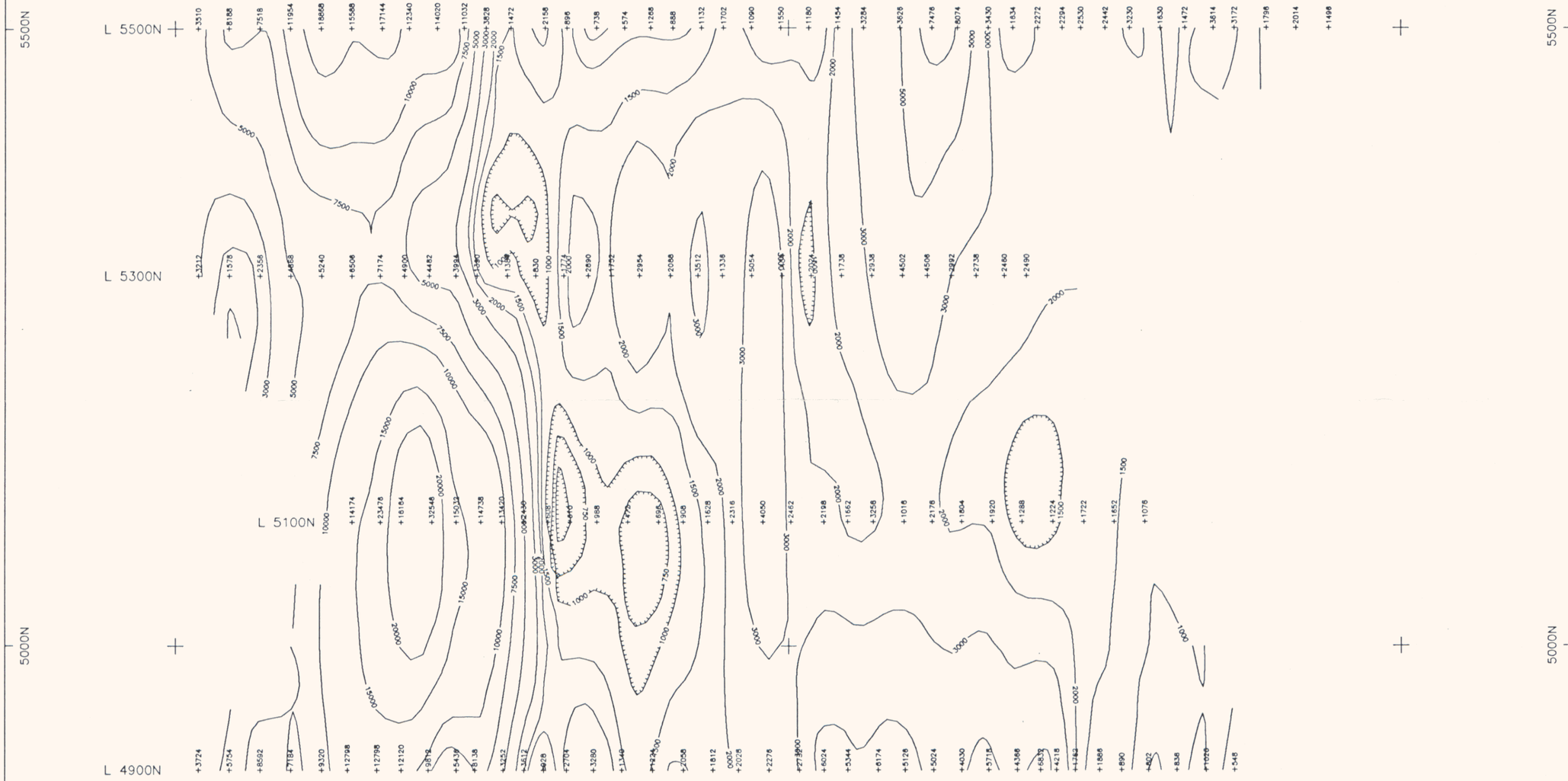
MAGNETOMETER CONTOUR PLAN

contour interval = 500 gammas

SLAB CLAIMS – EAGLE GRID

DRAWN BY: ars	DATE: June/93

SCOTT GEOPHYSICS LTD.



SURVEY SPECIFICATIONS

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

current electrode is located west of receiving electrodes

contoured value a=25 n=1

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

093181

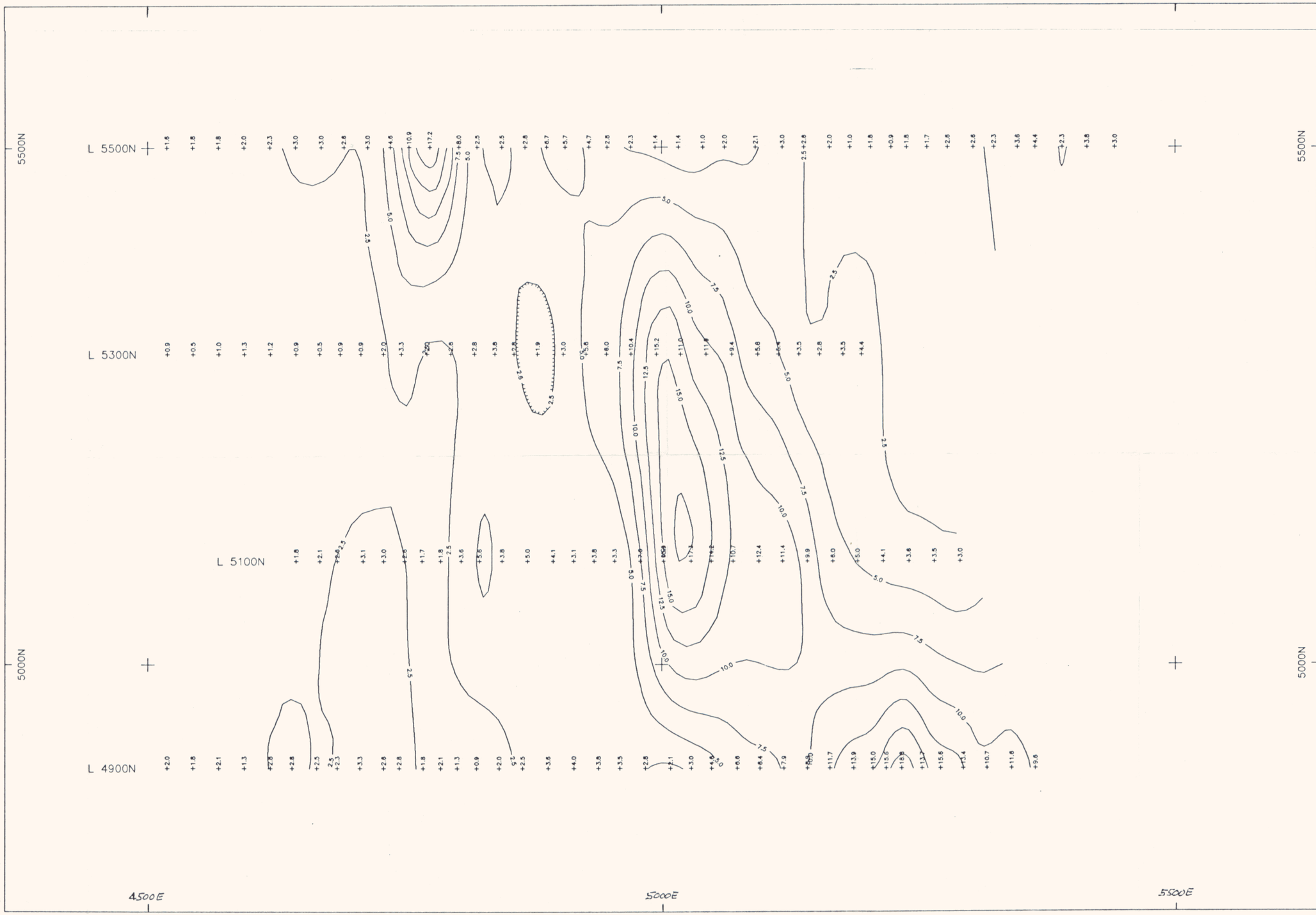
539

0 50 100 150 200
METERS

WESTMIN RESOURCES LIMITED

FAIRCHILD LAKE PROJECT
SLAB CLAIMS – EAGLE GRID
RESISTIVITY CONTOUR PLAN
first separation (n=1)
a = 25 meters

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



SURVEY SPECIFICATIONS

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

current electrode is located west of receiving electrodes

contoured value a=25 n=1

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

093181

540

0 50 100 150 200
METERS

WESTMIN RESOURCES LIMITED

FAIRCHILD LAKE PROJECT
SLAB CLAIMS – EAGLE GRID
CHARGEABILITY CONTOUR PLAN
first separation (n=1)
a = 25 meters

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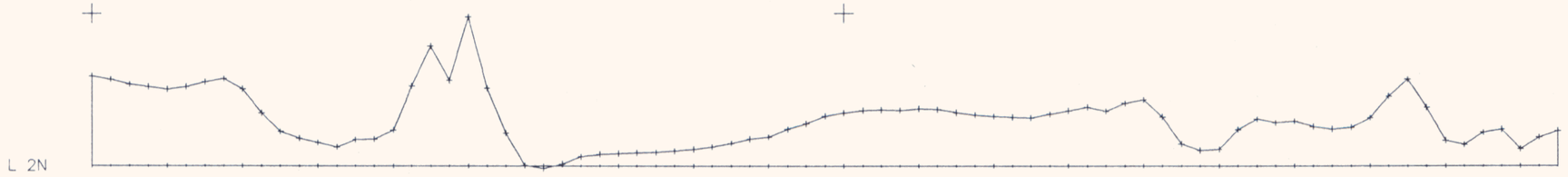
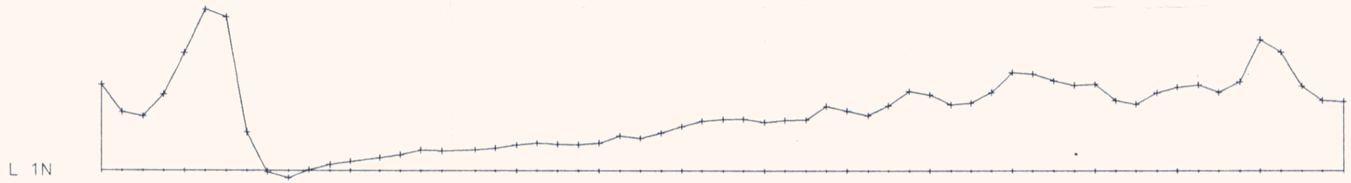
SCOTT GEOPHYSICS LTD.





0E

500E

1000E

SURVEY SPECIFICATIONS

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

NOTE: mag survey is on recce IP lines

0 50 100 150 200

METERS

093181 541

WESTMIN RESOURCES LIMITED

FAIRCHILD LAKE PROJECT

SLAB NW GRID
MAGNETOMETER PROFILES
profile base = 58000 gammas
profile scale = 500 gammas/cm

DRAWN BY: ars | DATE: June/93

SCOTT GEOPHYSICS LTD.

SLAB CLAIMS – EAGLE GRID

093181

542

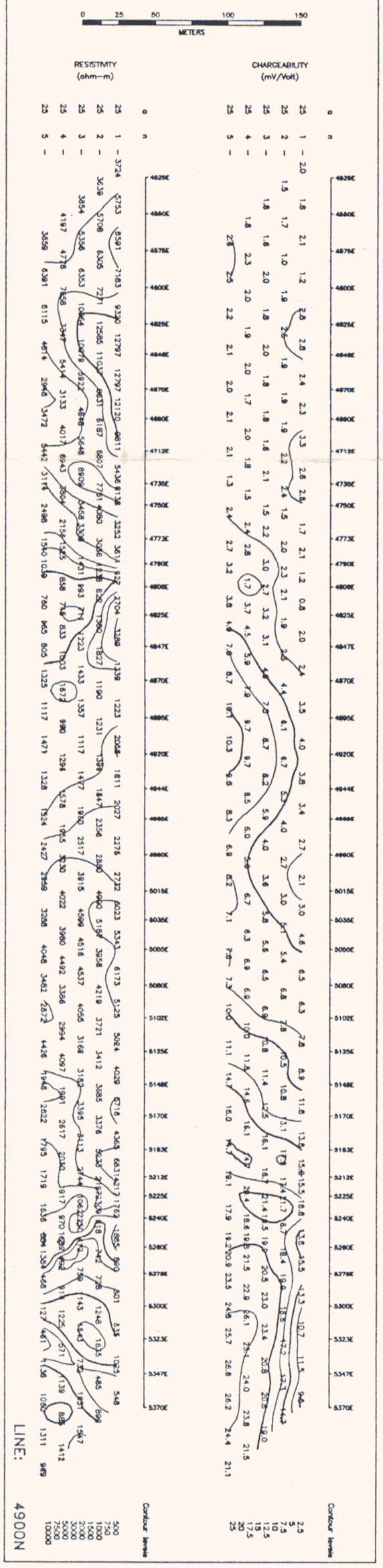
WESTMIN RESOURCES LIMITED

FAIRCHILD PROJECT, EAGLE GRID

LINE: 4900N

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

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



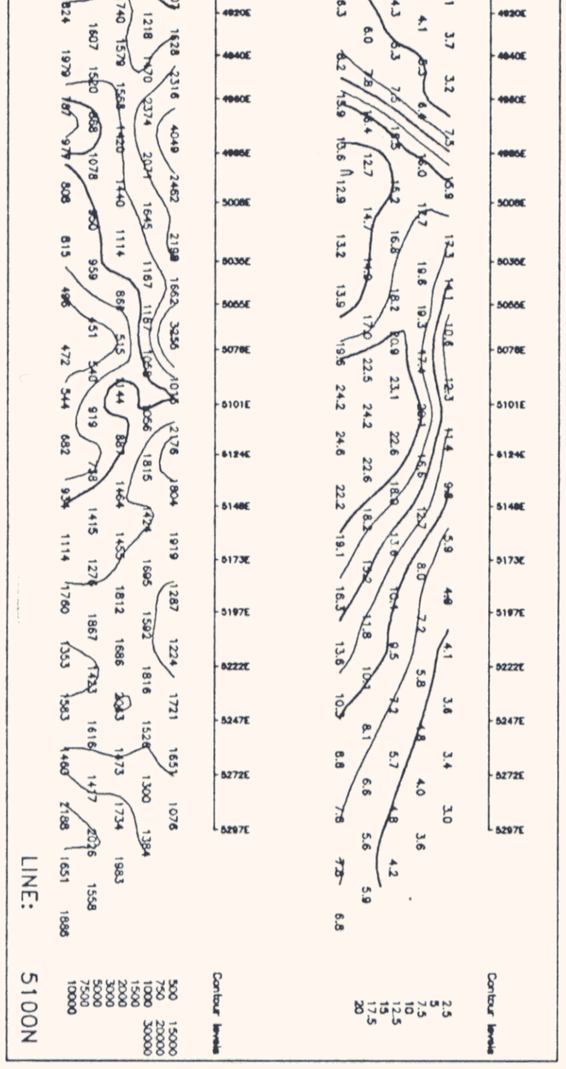
WESTMIN RESOURCES LIMITED

FAIRCHILD PROJECT, EAGLE GRID

LINE: 5100N

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

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



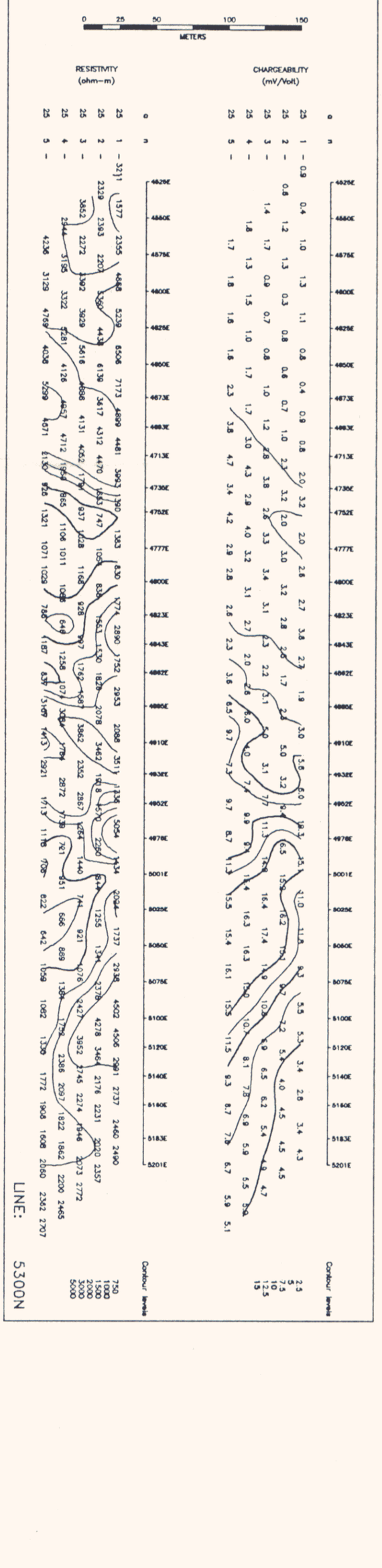
WESTMIN RESOURCES LIMITED

FAIRCHILD PROJECT, EAGLE GRID

LINE: 5300N

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

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



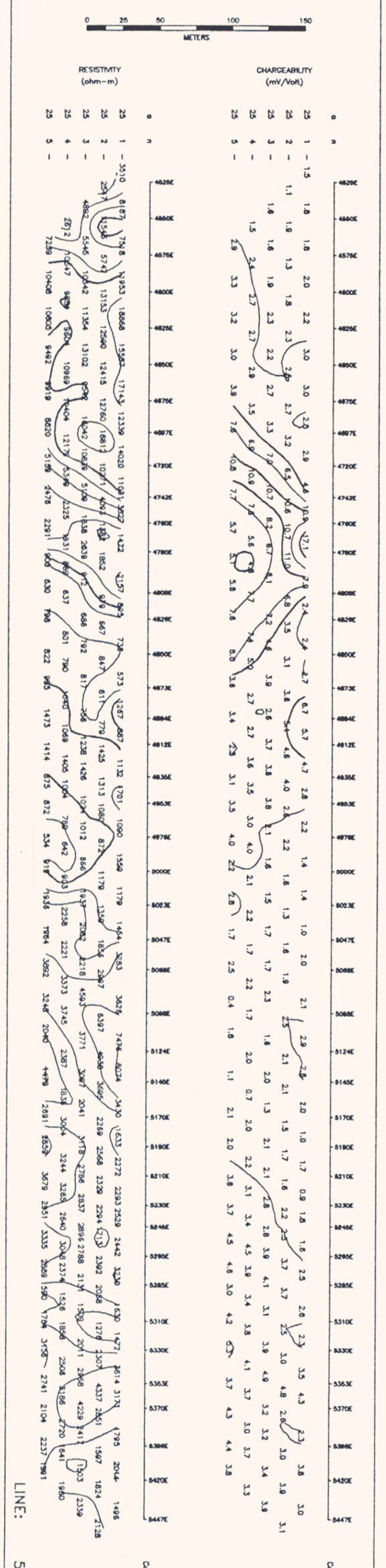
WESTMIN RESOURCES LIMITED

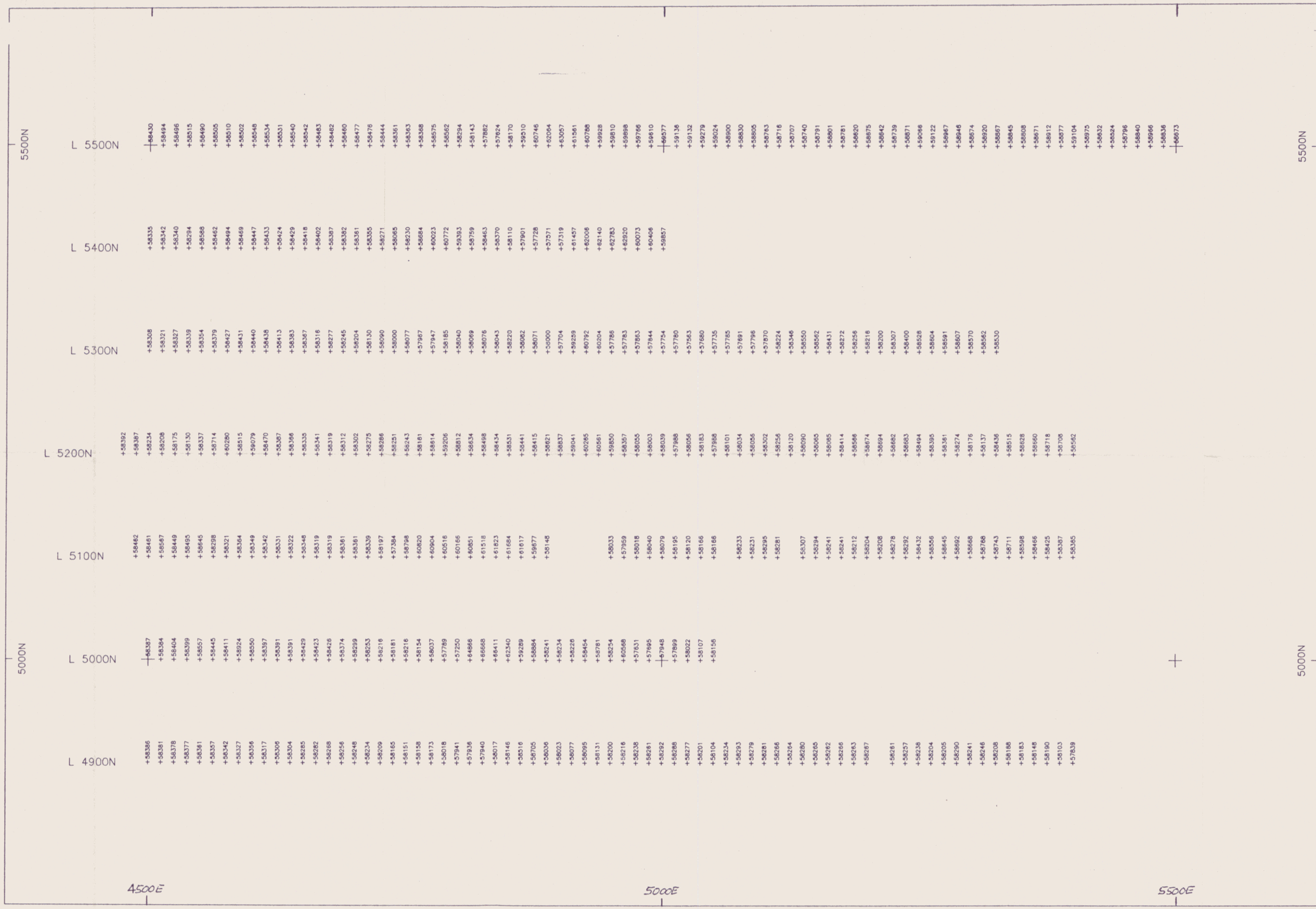
FAIRCHILD PROJECT, EAGLE GRID

LINE: 5500N

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

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





SURVEY SPECIFICATIONS

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

093181

0 50 100 150 200

METERS

WESTMIN RESOURCES LIMITED

FAIRCHILD LAKE PROJECT

EAGLE GRID
MAGNETOMETER SURVEY
data postings

DRAWN BY: ars | DATE: June/93

SCOTT GEOPHYSICS LTD.

L 5500N

L 5400N

L 5300N

L 5200N

L 5100N

L 5000N

L 4900N

5500N

5000N

4500E

5000E

5300E

SURVEY SPECIFICATIONS

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

093181

544

0 50 100 150 200

METERS

WESTMIN RESOURCES LIMITED

FAIRCHILD LAKE PROJECT

SLAB CLAIMS – EAGLE GRID

MAGNETOMETER PROFILES

profile base = 58000 gammas

profile scale = 500 gammas/cm

DRAWN BY: ars | DATE: June/93

SCOTT GEOPHYSICS LTD.

WESTMIN RESOURCES LIMITED

FAIRCHILD PROJECT, SLAB NW GRID

LINE:1 **093181** 545

INDUCED POLARIZATION SURVEY (Pole–Dipole Array)

SCOTT GEOPHYSICS LTD. Scintrex IPR12

June/93 Pulse Rate: 2 sec

current electrode west of receiving electrodes

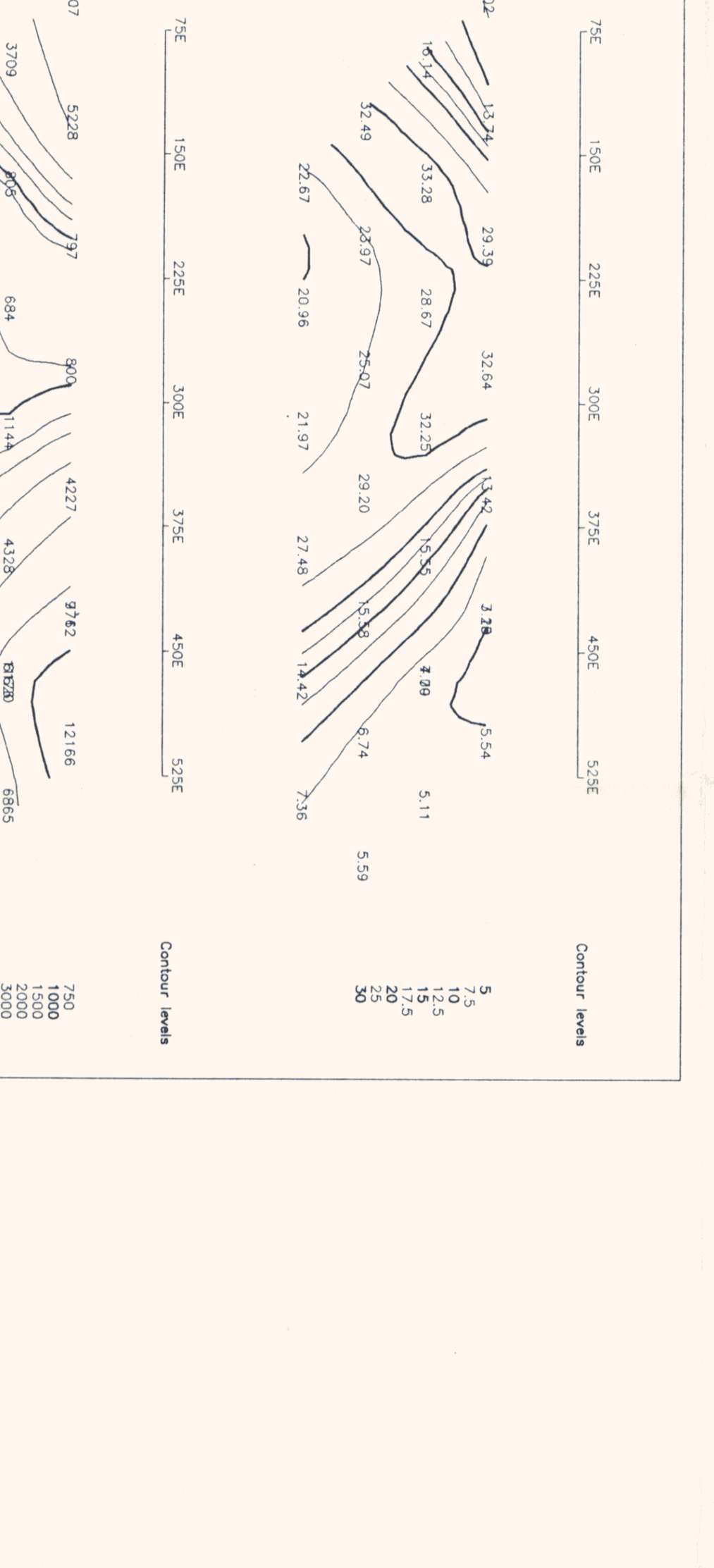
Mx Chargeability is for interval 690 to 1050 msecs after shutoff

0 50 100 200 300

METERS

RESISTIVITY (ohm–m)

CHARGEABILITY (mV/Volt)



APPENDIX I

GEOLOGIST'S CERTIFICATE

GEOLOGIST'S CERTIFICATE

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

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

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

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

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

DATED at Vancouver, British Columbia, this 23 day of February, 1993.

David A. Caulfield, P.Geo.

GEOLOGIST'S CERTIFICATE

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

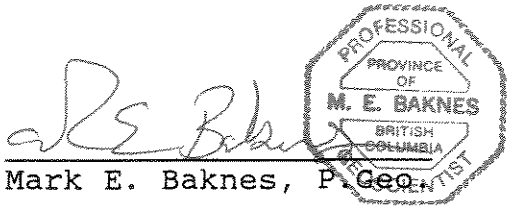
1. THAT I am a Consulting Geologist with offices at Suite 207, 675 West Hastings Street, Vancouver, British Columbia.

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

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

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

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



Mark E. Baknes, P.Geo.

GEOLOGIST'S CERTIFICATE

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

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

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

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

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

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

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

7. THAT I have no interest in the property described herein, nor in any securities of any company associated with the property, nor do I expect to receive any such interest.

DATED at Vancouver, British Columbia, this 8 day of February, 1994.

PROFESSIONAL ENGINEERS AND GEOSCIENTISTS ACT
PROFESSIONAL GEOSCIENTIST
PROVINCE OF BRITISH COLUMBIA
M. A. STAMMERS
GEOSCIENTIST
M. A. STAMMERS
FELLOW

Michael A. Stammers, P.Geo. FGAC

MAP NO.: 106C 13

ASSESSMENT REPORT
PROSPECTUS
CONFIDENTIAL X
OPEN FILE

DOCUMENT NO: 093181
MINING DISTRICT: MAYO
TYPE OF WORK: GEOLOGICAL, GEOCHEMICAL GEOPHYSICS

REPORT FILED UNDER: PAMICON DEVELOPMENTS

DATE PERFORMED: JULY 12-28, 1993 **DATE FILED:** MARCH 1, 1994

LOCATION: **LAT.:** 65°00'N **AREA:** WERNECKE MTNS

LONG.: 134°00'W **VALUE $:** 73,300

CLAIM NAME & NO.: SLAB 1-34(YB28600-606), SLAB 35-84 (YB28729-778), SLAB 85-129 (YB29006-129), SLAB 209-212 (YB22343-346), SLAB 213-222 (YB22493-502)

WORK DONE BY: M.A. STAMMERS; M.E. BAKNES; D.A. CAULFIELD; PAMICON

WORK DONE FOR: WESTMIN RESOURCES

DATE TO GOOD STANDING:	

REMARKS: 394 SOILS ON 4 GRIDS AND 193 ROCK SAMPLES WERE COLLECTED 6 KM OF IP AND 7.5 KM OF MAG COMPLETED. CORE FROM 1980 WAS ASSAYED AND LOGGED.

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

M.R. file no.

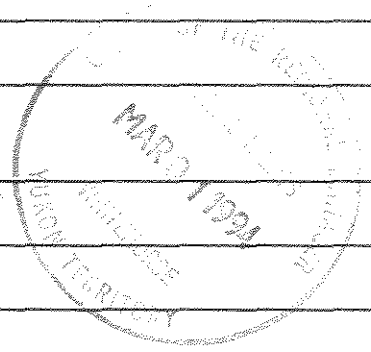
R.M.M.R. file no.

Date forwarded 28 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: Slab 1-208	Claim sheet no.: 106-E-13, 106-E-1, 106-D-16, 106-E-4	
	Type of report: Geological/Geochemical/Geophysical	Submitted by: Mark E. Baknes, Michael A. Sfummeri, David A. Caulfield	
	Cls. work performed on	$ req. for ren. application: 73300.00	

E. Graham
Signature

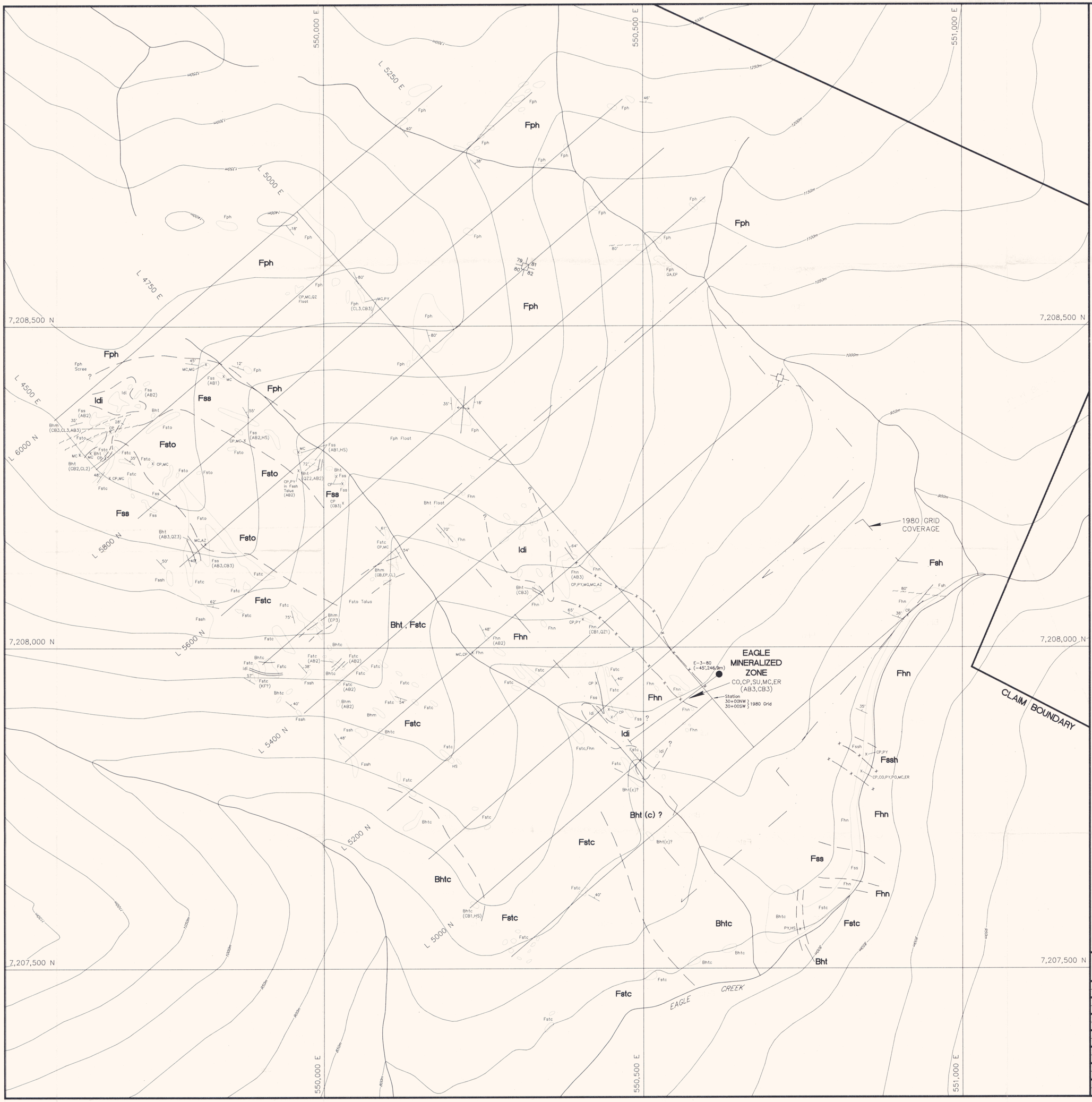
Date returned

REPLY ACTION

093181

Signature

802-6027-26 (6-86)



UTM GRID NORTH

NOTE: UTM GRID North is 0° 58' 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
  - Bhtc rock flour and rock fragment matrix, very minor hematite, poorly sorted, angular fragments (chaotic breccia)
- Bhm Homolithic breccia: ranges from well brecciated to crackle brecciated to non–brecciated wall rocks

WERNECKE SUPERGROUP

F *Fairchild Lake Group:* Light grey–, greenish grey–, & locally dark grey–weathering shale, siltstone (80%), fine sandstone and limestone (20%); locally phyllites, schists and slates.
- Fhn biotite–cordierite–garnet hornfels
- Fph grey to green phyllite (chloritoid development)
- Fsh black shale, pyritic
- Fss interbedded calcareous sandstone and siltstone (ribbed unit), minor limestone
- Fssh biotite hornfels (Fss), dark grey colour
- Fstc calcareous siltstone, minor limestone, sandstone
- Fsto spotted hornfels, dark green colour

ALTERATION

Alteration Minerals

AB	albite
CB	carbonate
CL	chlorite
EP	epidote
GA	garnet
KF	K–feldspar
QZ	quartz
SE	sericite

Alteration Intensity

1	weak
2	moderate
3	strong

MINERALIZATION

AZ	azurite
CO	cobaltite
CP	chalcopyrite
ER	erythrite
HS	specular hematite
MC	malachite
MG	magnetite
PY	pyrite
PO	pyrrhotite
SU	skutterudite

SYMBOLS

- Outcrop
- Geological Contact (approximate)
- Alteration Contact
- Fault (assumed)
- Bedding/Foliation
- Claim Post
- Diamond Drill Hole (horizontal projection) E-3-80

093181
DWG 552

Westmin Resources Limited

Work By	D.C./S.D./M.J.
Date Drafted	17/01/94
Drafted By	R.A. Ivany
Date Revised	
Revised By	
N.T.S. Number	106 C/13,F/4
File Name	EGL_GEOL

FAIRCHILD PROJECT
SLAB PROPERTY
EAGLE GRID
GEOLOGY MAP

552

— PAMICON DEVELOPMENTS LTD —
— EQUITY ENGINEERING LTD —

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

Figure 4

UTM GRID NORTH

NOTE: UTM GRID North is 0° 54' East of True North.

LEGEND

LITHOLOGIES

PROTEROZOIC

I *Igneous Rocks*
- Idi diorite
- Ibs basalt, locally amygdaloidal–gabbroic

B *Wernecke Breccia:*
- Bht Heterolithic breccia:
  - Bht hydrothermal matrix comprised of alteration minerals: K–feldspar, plagioclase, carbonate, quartz, pyroxene, chlorite, sericite and specular hematite
  - Bhtc rock flour and rock fragment matrix, very minor hematite, poorly sorted, (chaotic breccia)
- Bhm Homolithic breccia: ranges from well brecciated to crackle brecciated to non–brecciated wall rocks

WERNECKE SUPERGROUP

F *Fairchild Lake Group:* Light grey–, greenish grey–, & locally dark grey–weathering shale, siltstone (80%), fine sandstone and limestone (20%); locally phyllites, schists and slates.
- Fchc green–grey siltstone–cherty argillite with interbedded carbonate
- Fhn biotite hornfels (metamorphosed fine grained sediment)
- Fls limestone
- Fph grey phyllite
- Fstc calcareous siltstone (often spotted texture)
- Fstd dolomitic siltstone

ALTERATION

Alteration Minerals

- AB albite
- CB carbonate
- EP epidote
- KF K–feldspar
- MS muscovite/sericite
- QZ quartz

Alteration Intensity

- 1 weak
- 2 moderate
- 3 strong

MINERALIZATION

- CP – chalcopyrite
- HS – specular hematite
- MG – magnetite
- MO – molybdenite
- PY – pyrite

SYMBOLS

- Outcrop
- Geological Contact (approximate)
- Alteration Contact
- Fault (assumed)
- 074/82 Bedding
- 090/40 Foliation
- Diamond Drill Hole (horizontal projection)

093181

NOTE: Map area covers portions of N.T.S. sheets C/13,D/16,E/1 and F/4

DWG 553

Westmin Resources Limited

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

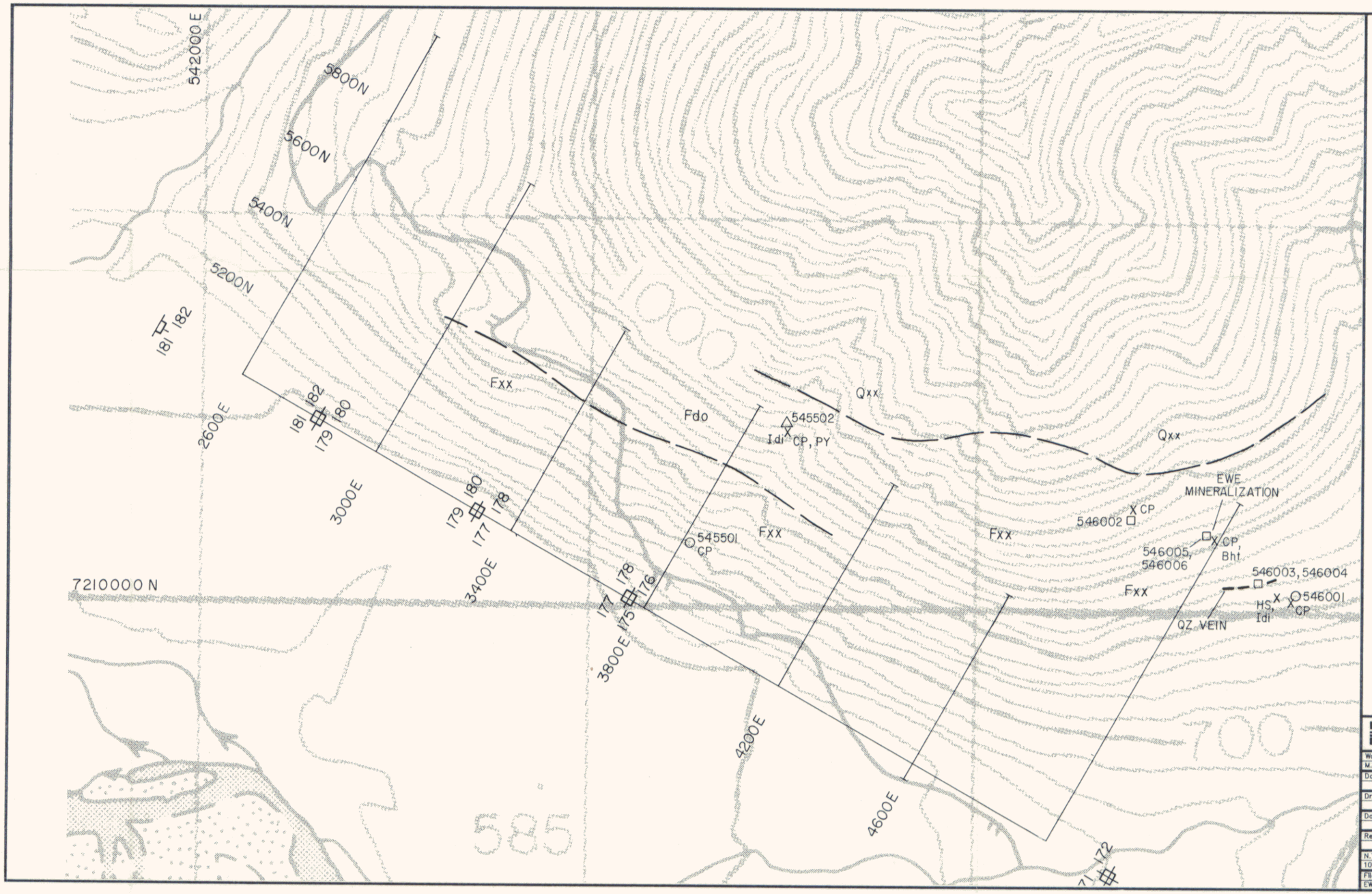
FAIRCHILD PROJECT

SLAB PROPERTY
GEOLOGY MAP

— PAMICON DEVELOPMENTS LTD —
— EQUITY ENGINEERING LTD —

100 0 100 200 300m
SCALE 1 : 5,000

Figure 5



UTM GRID NORTH

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

LEGEND

LITHOLOGIES

PROTEROZOIC

I *Igneous Rocks*
- Idi diorite, gabbro

B *Wernecke Breccia:*
- Bht Heterolithic breccia:
  - Bht hydrothermal matrix comprised of alteration minerals: K–feldspar, plagioclase, carbonate, quartz, pyroxene, chlorite, sericite and specular hematite

WERNECKE SUPERGROUP

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

F *Fairchild Lake Group:* Light grey–, greenish grey–, & locally dark grey–weathering shale, siltstone (80%), fine sandstone and limestone (20%); locally phyllites, schists and slates.
- Fdo dolomitic and calcareous siltstone, with interbedded phyllite
- Fxx undifferentiated

MINERALIZATION

CP – chalcopyrite
HS – specular hematite
PY – pyrite

SYMBOLS

— — Geological Contact (approximate)

Claim Post

093181

Westmin Resources Limited

Work By	N.S. & B.G.
Date Drafted	
Drafted By	
Date Revised	
Revised By	
N.T.S. Number	106 E/1
File Name	EWE_GEOL

FAIRCHILD PROJECT

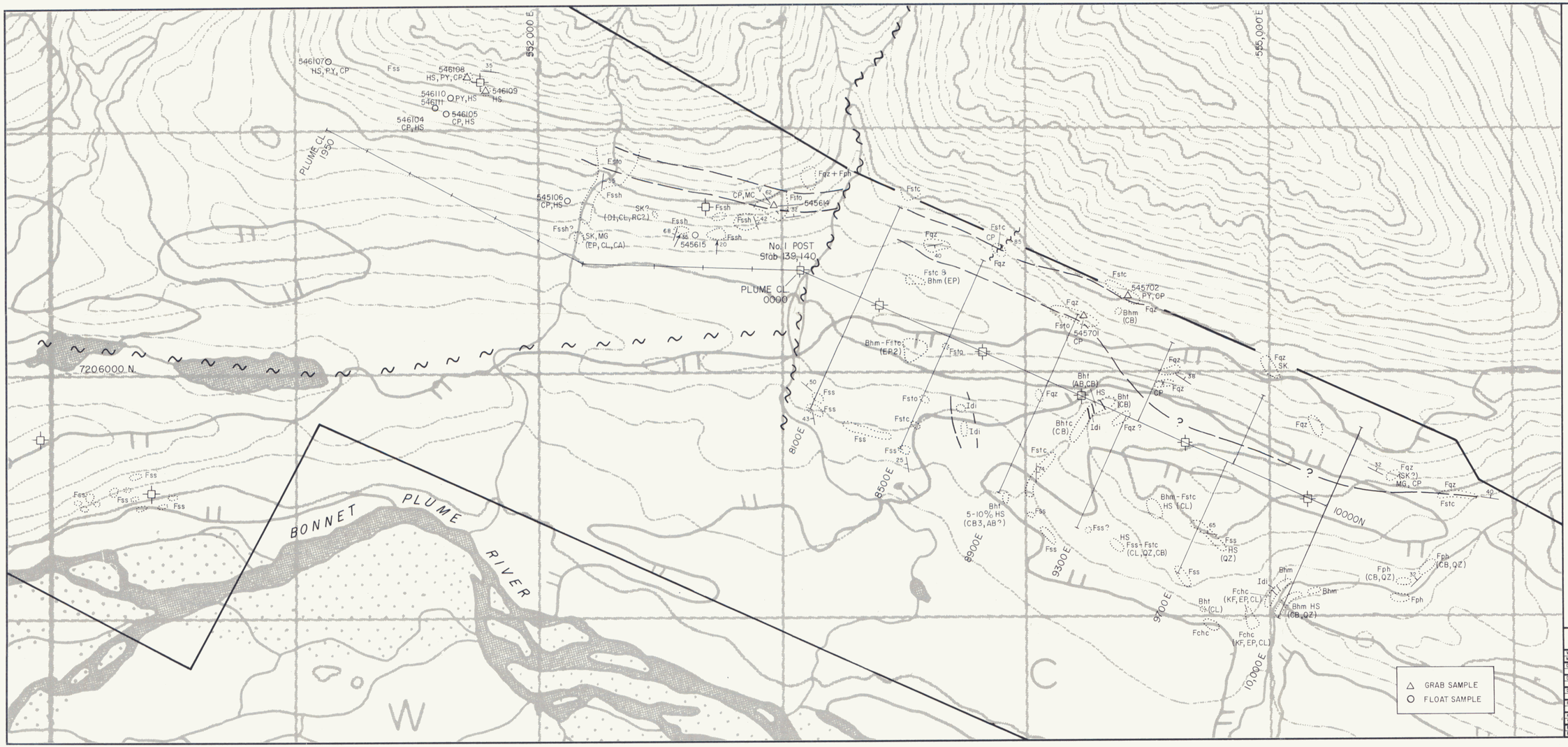
EWE PROPERTY
GEOLOGY MAP

— PAMICON DEVELOPMENTS LTD —
— EQUITY ENGINEERING LTD —

100 0 100 200 300m
SCALE 1 : 10,000

Figure 6

546



UTM GRID NORTH

NOTE: UTM GRID North is 1° 01' 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
  - Bhtc rock flour and rock fragment matrix, very minor hematite, poorly sorted, angular fragments (chaotic breccia)
- Bhm Homolithic breccia: ranges from well brecciated to crackle brecciated to non-brecciated wall rocks

WERNECKE SUPERGROUP

F *Fairchild Lake Group:* Light grey-, greenish grey-, & locally dark grey-weathering shale, siltstone (80%), fine sandstone and limestone (20%); locally phyllites, schists and slates.
- Fchc green-grey siltstone-cherty argillite
- Fph grey to green phyllite
- Fss interbedded calcareous sandstone and siltstone (ribbed unit), minor limestone, phyllite
- Fssh biotite hornfels (Fss), dark grey colour
- Fstc calcareous siltstone, minor limestone, sandstone
- Fsto spotted hornfels, dark green colour
- Fqz quartzite, brown colour

ALTERATION

Alteration Minerals

AB	albite
CA	calcite
CB	carbonate
CL	chlorite
DI	diopside
EP	epidote
KF	K-feldspar
QZ	quartz
RC	rhodochrosite
SK	skarn

Alteration Intensity

1	weak
2	moderate
3	strong

MINERALIZATION

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

SYMBOLS

- Outcrop
- Geological Contact (approximate)
- Fault (assumed)
- Bedding/Foliation
- Minor Fold Axis
- Vein
- Claim Post
- Contour Soil Line

093181

Westmin Resources Limited

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

FAIRCHILD PROJECT

PLUME PROPERTY

GEOLOGY MAP

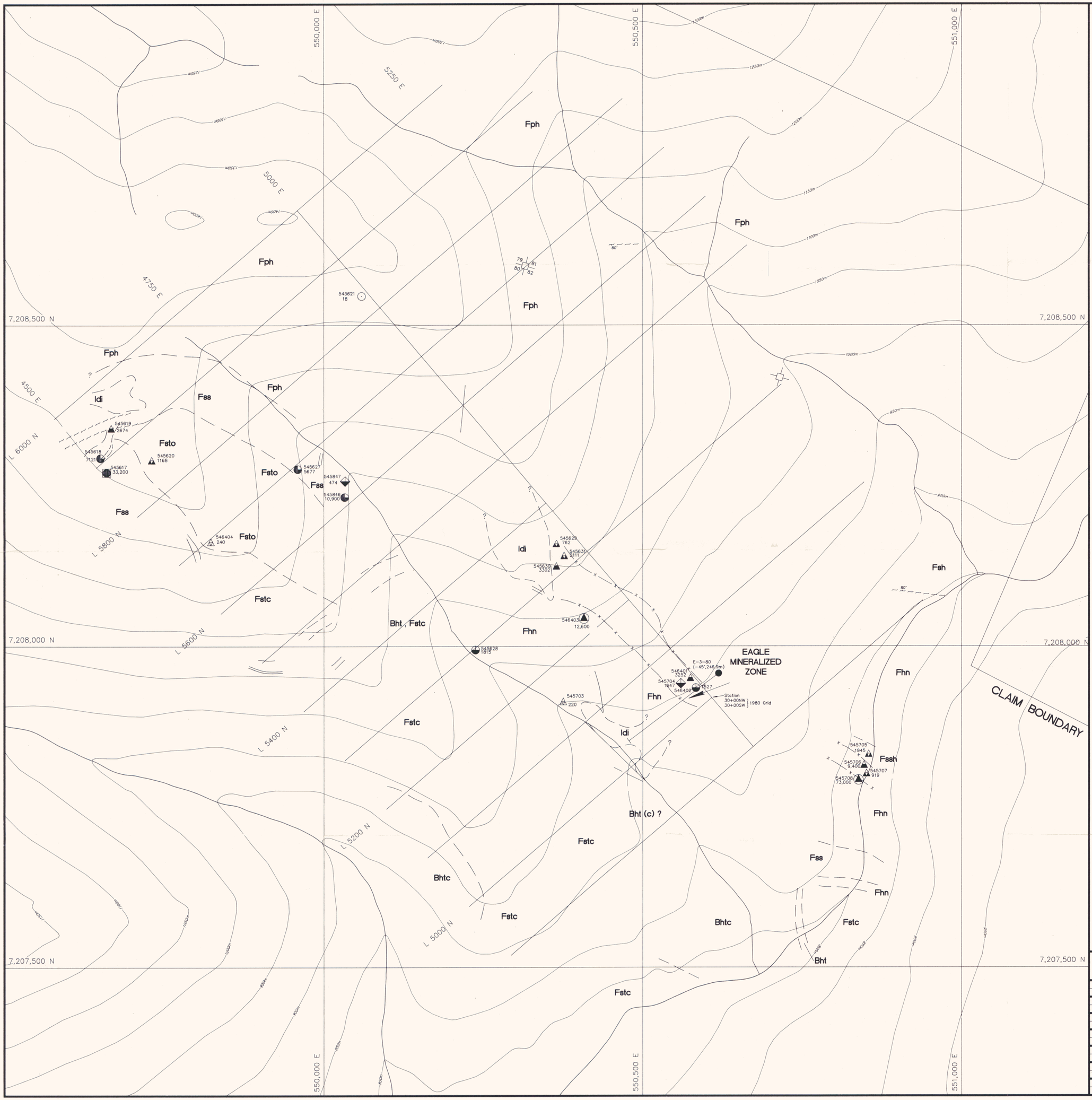
— PAMICON DEVELOPMENTS LTD —
— EQUITY ENGINEERING LTD —

100 0 100 200 300m

SCALE 1 : 10,000

Figure 7

547



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
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WERNECKE SUPERGROUP

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- Fhn biotite–cordierite–garnet hornfels
- Fph grey to green phyllite (chloritoid development)
- Fsh black shale, pyritic
- Fss interbedded calcareous sandstone and siltstone (ribbed unit), minor limestone
- Fssh biotite hornfels (Fss), dark grey colour
- Fstc calcareous siltstone, minor limestone, sandstone
- Fsto spotted hornfels, dark green colour

ALTERATION

Alteration Minerals	
AB	albite
CB	carbonate
CL	chlorite
EP	epidote
GA	garnet
KF	K–feldspar
QZ	quartz
SE	sericite

Alteration Intensity	
1	weak
2	moderate
3	strong

SYMBOLS

- Outcrop
- Geological Contact (approximate)
- Alteration Contact
- Fault (assumed)
- Bedding/Foliation
- Claim Post
- Diamond Drill Hole (horizontal projection)

SAMPLE TYPE

- Grab
- Chip
- Litho
- Float

Cu Values in PPM

<1	–	172
172	–	470
2159	–	10526
470	–	2159
10526	–	12713
12713	>>>>>>>	

093181

NOTE All samples were taken during the 1993 field program.

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

Westmin Resources Limited

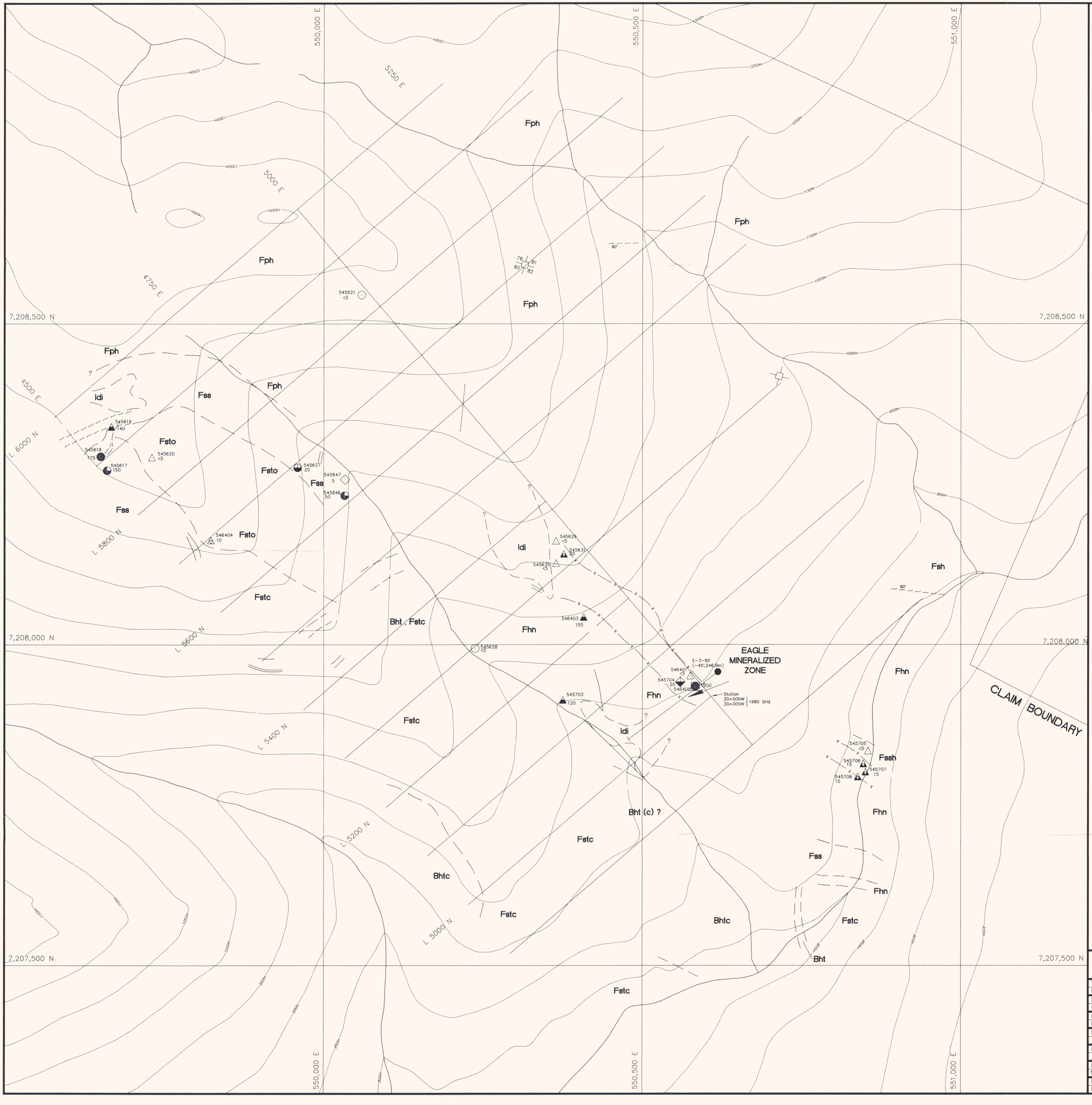
Work By	D.A.C. & S.M.D
Date Drafted	09/11/93
Drafted By	R.A. Ivany
Date Revised	
Revised By	
N.T.S. Number	106 E/13, F/4
File Name	FAREAGLP

FAIRCHILD PROJECT
SLAB PROPERTY
EAGLE GRID
DWG 554
ROCK SAMPLE GEOCHEMISTRY

— PAMICON DEVELOPMENTS LTD —
— EQUITY ENGINEERING LTD —

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

Figure 8



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
  - Bhtc rock flour and rock fragment matrix, very minor hematite, poorly sorted, angular fragments (chaotic breccia)
- Bhm Homolithic breccia: ranges from well brecciated to crackle brecciated to non–brecciated wall rocks

WERNECKE SUPERGROUP

F *Fairchild Lake Group:* Light grey–, greenish grey–, & locally dark grey–weathering shale, siltstone (80%), fine sandstone and limestone (20%); locally phyllites, schists and slates.
- Fhn biotite–cordierite–garnet hornfels
- Fph grey to green phyllite (chloritoid development)
- Fsh black shale, pyritic
- Fss interbedded calcareous sandstone and siltstone (ribbed unit), minor limestone
- Fssh biotite hornfels (Fss), dark grey colour
- Fstc calcareous siltstone, minor limestone, sandstone
- Fsto spotted hornfels, dark green colour

ALTERATION

Alteration Minerals	
AB	albite
CB	carbonate
CL	chlorite
EP	epidote
GA	garnet
KF	K–feldspar
QZ	quartz
SE	sericite

Alteration Intensity	
1	weak
2	moderate
3	strong

SYMBOLS

- Outcrop
- Geological Contact (approximate)
- Alteration Contact
- Fault (assumed)
- 35° Bedding/Foliation
- Claim Post
- Diamond Drill Hole (horizontal projection)

SAMPLE TYPE

- Grab
- Chip
- Litho
- Float

Au Values in PPB

<5 –	5
5 –	12
12 –	27
27 –	165
165 –	1168
1168	>>>>>>>

DWG 555
093181

NOTE All samples were taken during the 1993 field program.

Westmin Resources Limited

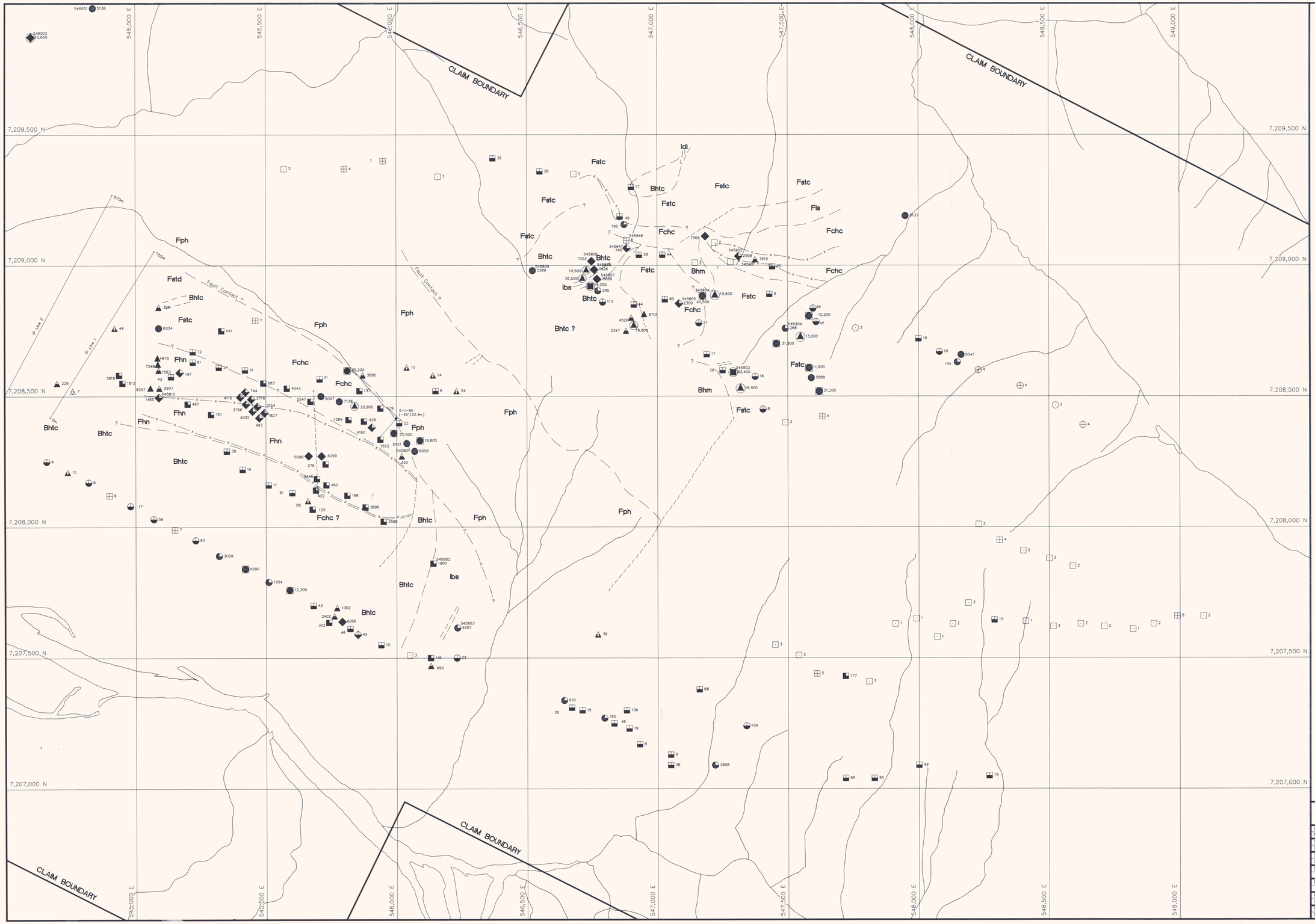
Work By	D.A.C. & S.M.D
Date Drafted	09/11/93
Drafted By	R.A. Ivany
Date Revised	
Revised By	
N.T.S. Number	106 E/13, F/4
File Name	FAREAGLP

FAIRCHILD PROJECT
SLAB PROPERTY
EAGLE GRID
ROCK SAMPLE GEOCHEMISTRY

— PAMICON DEVELOPMENTS LTD —
— EQUITY ENGINEERING LTD —

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

Figure 9



UTM GRID NORTH

NOTE: UTM GRID North is 0° 54' East of True North.

LEGEND

LITHOLOGIES

PROTEROZOIC

I *Igneous Rocks*
- Idi diorite
- Ibs basalt, locally amygdaloidal–gabbroic

B *Wernecke Breccia:*
- Bht Heterolithic breccia:
  - Bht hydrothermal matrix comprised of alteration minerals: K–feldspar, plagioclase, carbonate, quartz, pyroxene, chlorite, sericite and specular hematite
  - Bhtc rock flour and rock fragment matrix, very minor hematite, poorly sorted, (chaotic breccia)
- Bhm Homolithic breccia: ranges from well brecciated to crackle brecciated to non–brecciated wall rocks

WERNECKE SUPERGROUP

F *Fairchild Lake Group:* Light grey–, greenish grey–, & locally dark grey–weathering shale, siltstone (80%), fine sandstone and limestone (20%); locally phyllites, schists and slates.
- Fchc green–grey siltstone–cherty argillite with interbedded carbonate
- Fhn biotite hornfels (metamorphosed fine grained sediment)
- Fls limestone
- Fph grey phyllite
- Fstc calcareous siltstone (often spotted texture)
- Fstd dolomitic siltstone

SYMBOLS

- Outcrop
- Geological Contact (approximate)
- Alteration Contact
- Fault (assumed)

SAMPLE TYPES

- Grab
- Chip
- Litho
- Float

Cu Values in PPM

□	<1 –	3
⊞	3 –	7
◪	7 –	113
◩	113 –	4647
■	4647 –	8868
◙	8868	>>>>>>>

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.

093131

NOTE: Map area covers portions of N.T.S. sheets C/13,D/16,E/1 and F/4

DWG 556

Westmin Resources Limited

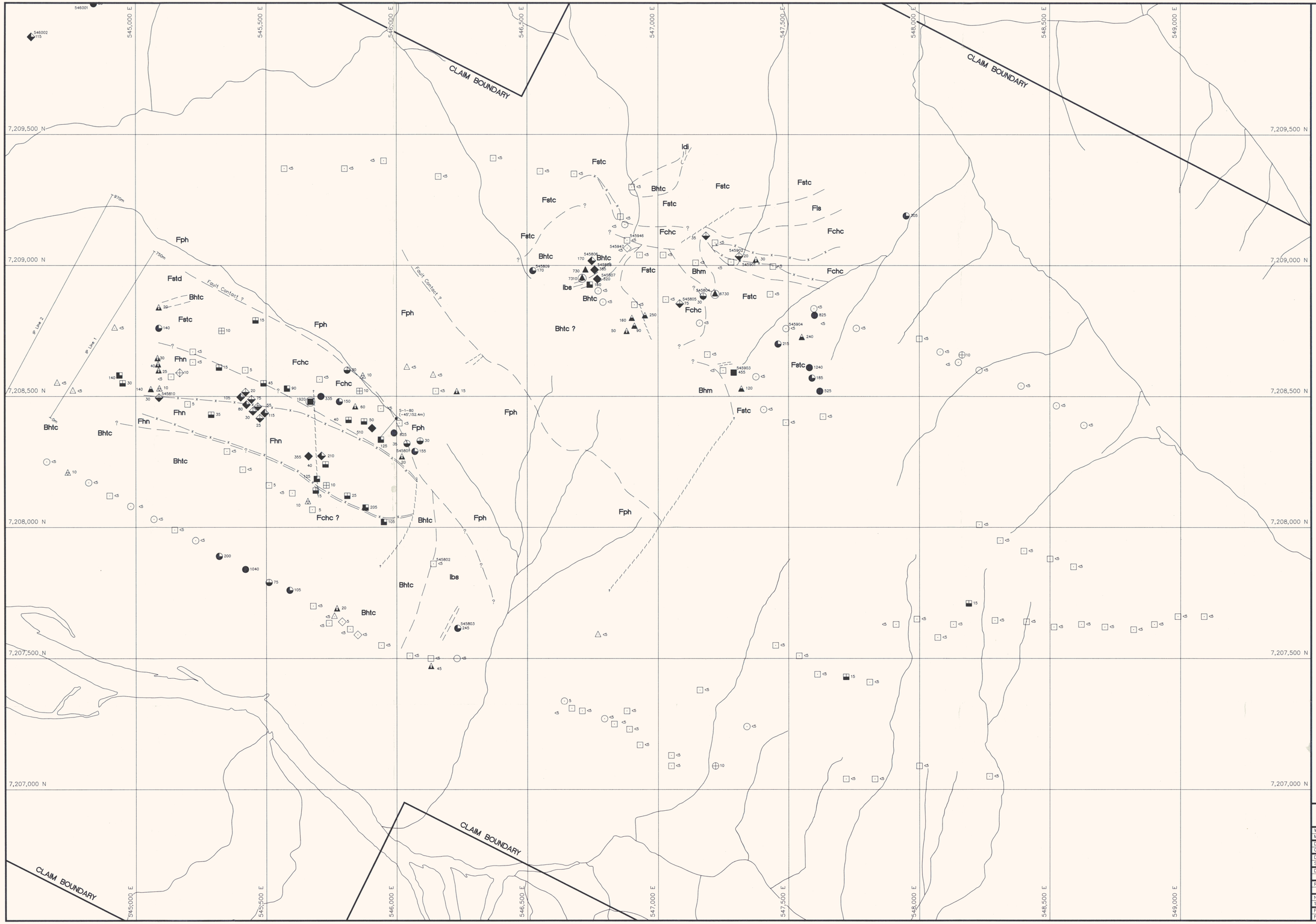
Work By	M.B. & M.J.
Date Drafted	03/12/93
Drafted By	S.M. Dykes
Date Revised	
Revised By	
N.T.S. Number	106 C/D/E/F
File Name	FARSLABP

FAIRCHILD PROJECT
SLAB PROPERTY
ROCK SAMPLE GEOCHEMISTRY

— PAMICON DEVELOPMENTS LTD —
— EQUITY ENGINEERING LTD —

100 0 100 200 300m
SCALE 1 : 5,000

Figure 10



UTM GRID NORTH

NOTE: UTM GRID North is 0° 54' East of True North.

LEGEND

LITHOLOGIES

PROTEROZOIC

I *Igneous Rocks*
- Idi diorite
- Ibs basalt, locally amygdaloidal–gabbroic

B *Wernecke Breccia:*
- Bht Heterolithic breccia:
  - Bht hydrothermal matrix comprised of alteration minerals: K–feldspar, plagioclase, carbonate, quartz, pyroxene, chlorite, sericite and specular hematite
  - Bhtc rock flour and rock fragment matrix, very minor hematite, poorly sorted, (chaotic breccia)
- Bhm Homolithic breccia: ranges from well brecciated to crackle brecciated to non–brecciated wall rocks

WERNECKE SUPERGROUP

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- Fchc green–grey siltstone–cherty argillite with interbedded carbonate
- Fhn biotite hornfels (metamorphosed fine grained sediment)
- Fls limestone
- Fph grey phyllite
- Fstc calcareous siltstone (often spotted texture)
- Fstd dolomitic siltstone

SYMBOLS

- Outcrop
- Geological Contact (approximate)
- Alteration Contact
- Fault (assumed)

SAMPLE TYPES

- Grab
- Chip
- Litho
- Float

Au Values in PPB

<5 –	6
6 –	13
13 –	78
78 –	319
319 –	1405
1405	>>>>>>>

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

093181

NOTE: Map area covers portions of N.T.S. sheets C/13,D/16,E/1 and F/4

Dwg 557

Westmin Resources Limited

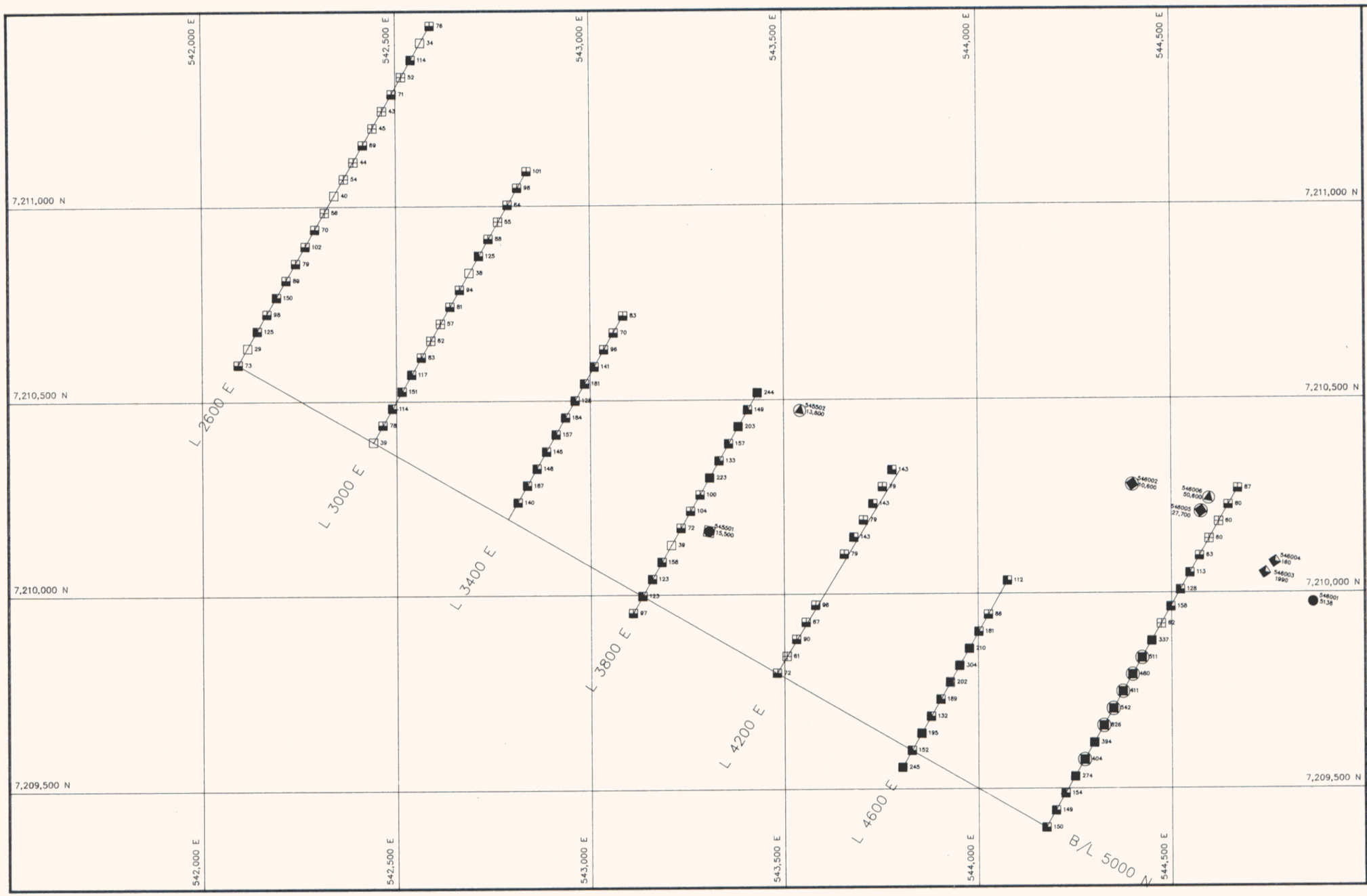
Work By	M.B. & M.J.
Date Drafted	03/12/93
Drafted By	S.M. Dykes
Date Revised	
Revised By	
N.T.S. Number	106 C/D/E/F
File Name	FAIRSLABP

FAIRCHILD PROJECT
SLAB PROPERTY
ROCK SAMPLE GEOCHEMISTRY

PAMICON DEVELOPMENTS LTD
EQUITY ENGINEERING LTD

100 0 100 200 300m
SCALE 1 : 5,000

Figure 11



UTM GRID NORTH

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

SAMPLE TYPE (unnumbered)

Soil

ROCK SAMPLE TYPE (numbered)

Grab
Chip
Litho
Float

Cu Values in PPM (SOILS,SILTS)

	<1 –	40
	40 –	62
	62 –	111
	111 –	193
	193 –	404
	404 >>>>>>>	

Cu Values in PPM (ROCKS)

	<1 –	3
	3 –	7
	7 –	113
	113 –	4647
	4647 –	8868
	8868 >>>>>>>	

093181

NOTE Both ROCK and SOIL sample data have been plotted. ROCK samples are identified by a sample number SOIL samples have no sample number. All samples were taken in 1993.

Westmin Resources Limited

Work By	M.S. & B.G.
Date Drafted	09-12-93
Drafted By	S. Dykes
Date Revised	
Revised By	
N.T.S. Number	106 E/1
File Name	FRSSLABP

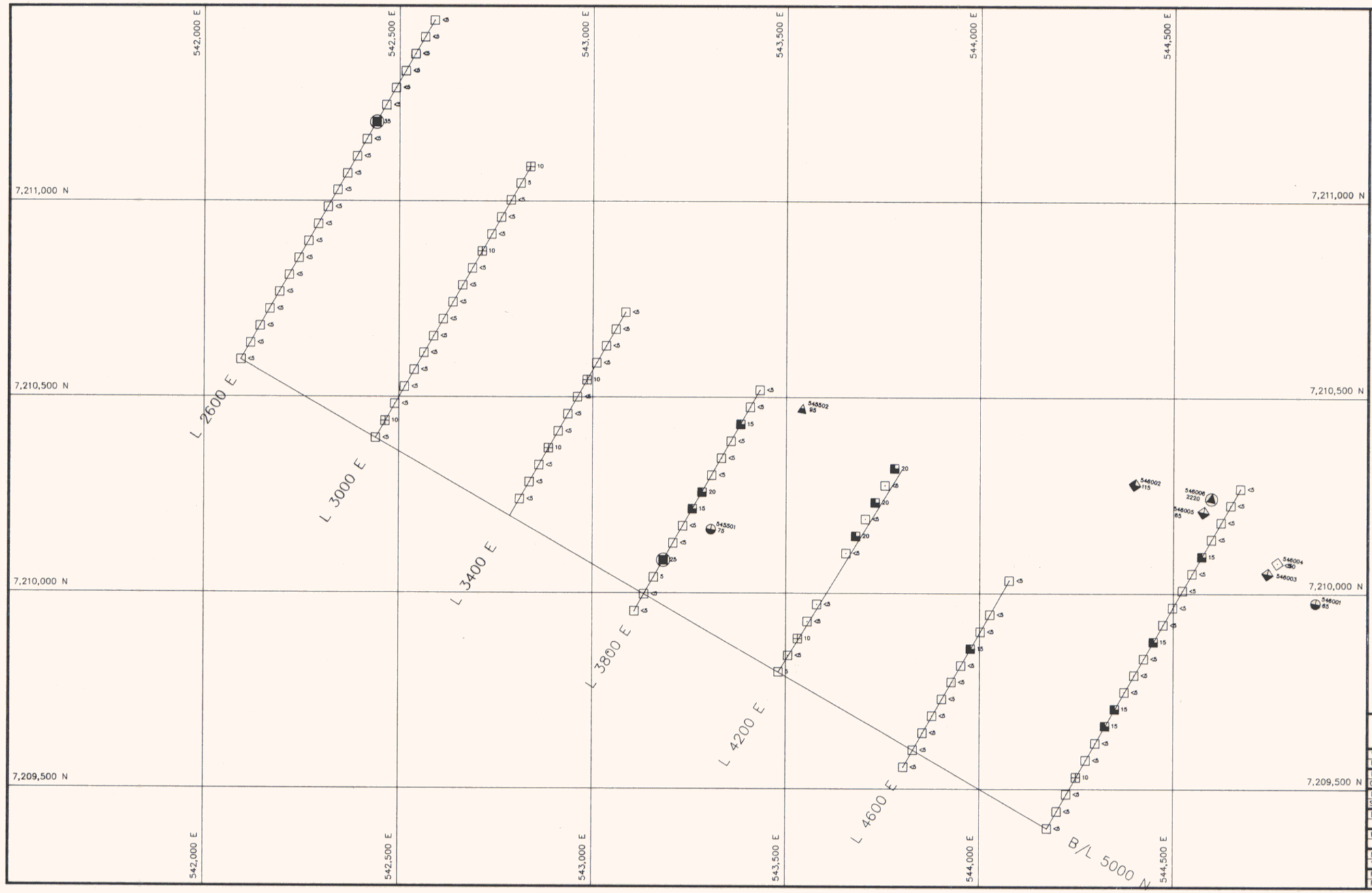
FAIRCHILD PROJECT
SLAB PROPERTY
EWE GRID
SOIL AND ROCK GEOCHEMISTRY

— PAMICON DEVELOPMENTS LTD —
— EQUITY ENGINEERING LTD —

100 0 100 200 300m
SCALE 1 : 10,000

Figure 12

548



UTM GRID NORTH

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

SAMPLE TYPE (unnumbered)

- Soil

ROCK SAMPLE TYPE (numbered)

- Grab
- Chip
- Litho
- Float

Au Values in PPB (SOILS,SILTS)

<5 –	5
5 –	10
10 –	14
14 –	20
20 –	25
25 >>>>>>>	

Au Values in PPB (ROCKS)

<5 –	6
6 –	13
13 –	78
78 –	319
319 –	1405
1405 >>>>>>>	

093181

NOTE Both ROCK and SOIL sample data have been plotted. ROCK samples are identified by a sample number SOIL samples have no sample number. All samples were taken in 1993.

Westmin Resources Limited

Work By	M.S. & B.G.
Date Drafted	09-12-93
Drafted By	S. Dykes
Date Revised	
Revised By	
N.T.S. Number	106 E/1
File Name	FRSSLABP

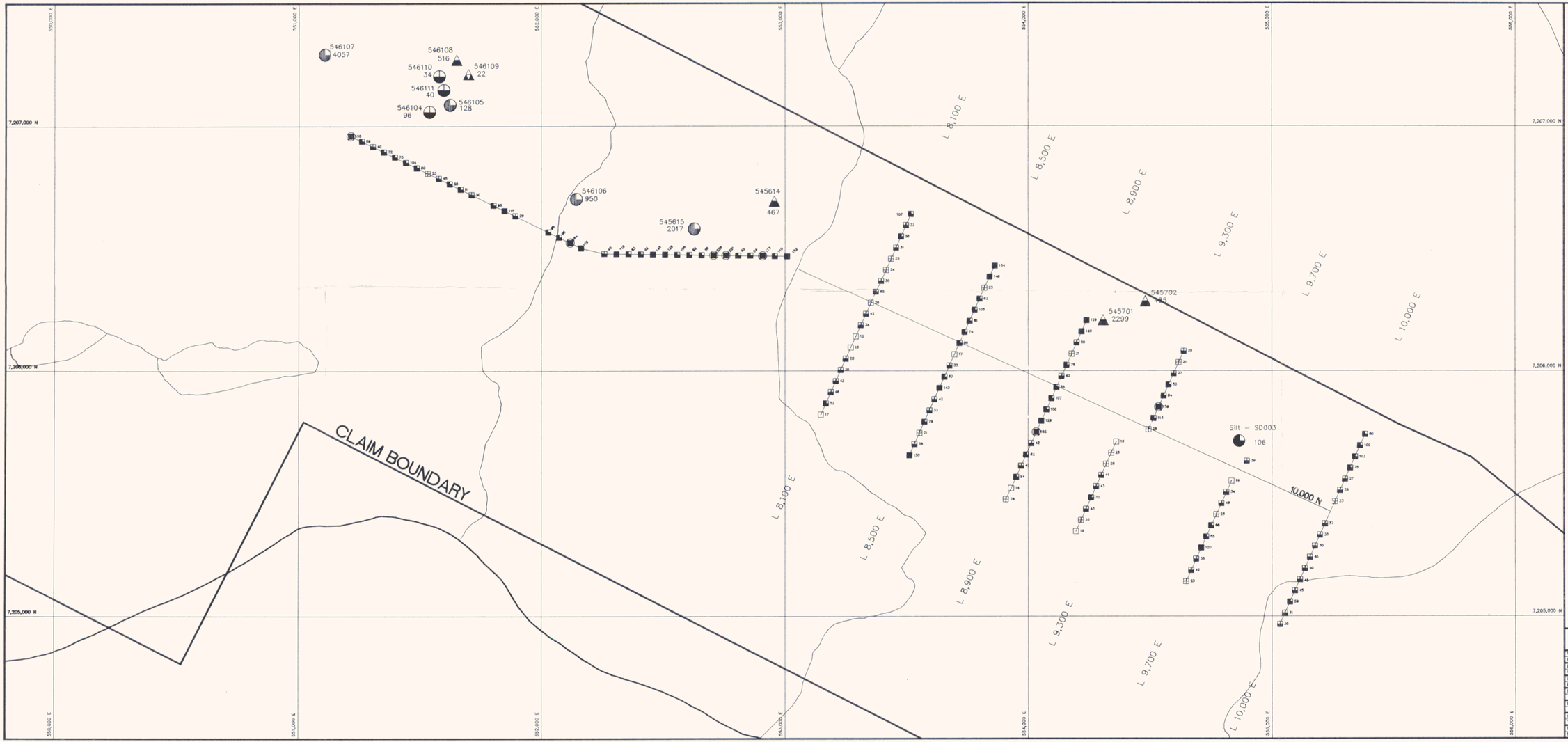
FAIRCHILD PROJECT
SLAB PROPERTY
EWE GRID
SOIL AND ROCK GEOCHEMISTRY

— PAMICON DEVELOPMENTS LTD —
— EQUITY ENGINEERING LTD —

100 0 100 200 300m
SCALE 1 : 10,000

Figure 13

549



UTM GRID NORTH

NOTE: UTM GRID North is 1° 01' East of True North.

LEGEND

SAMPLE TYPE (unnumbered)

- Soil
- Silt

ROCK SAMPLE TYPE (numbered)

- Grab
- Chip
- Litho
- Float

Cu Values in PPM (SOILS,SILTS)

<1 –	19
19 –	26
26 –	51
51 –	114
114 –	157
157 >>>>>>>	

Cu Values in PPM (ROCKS)

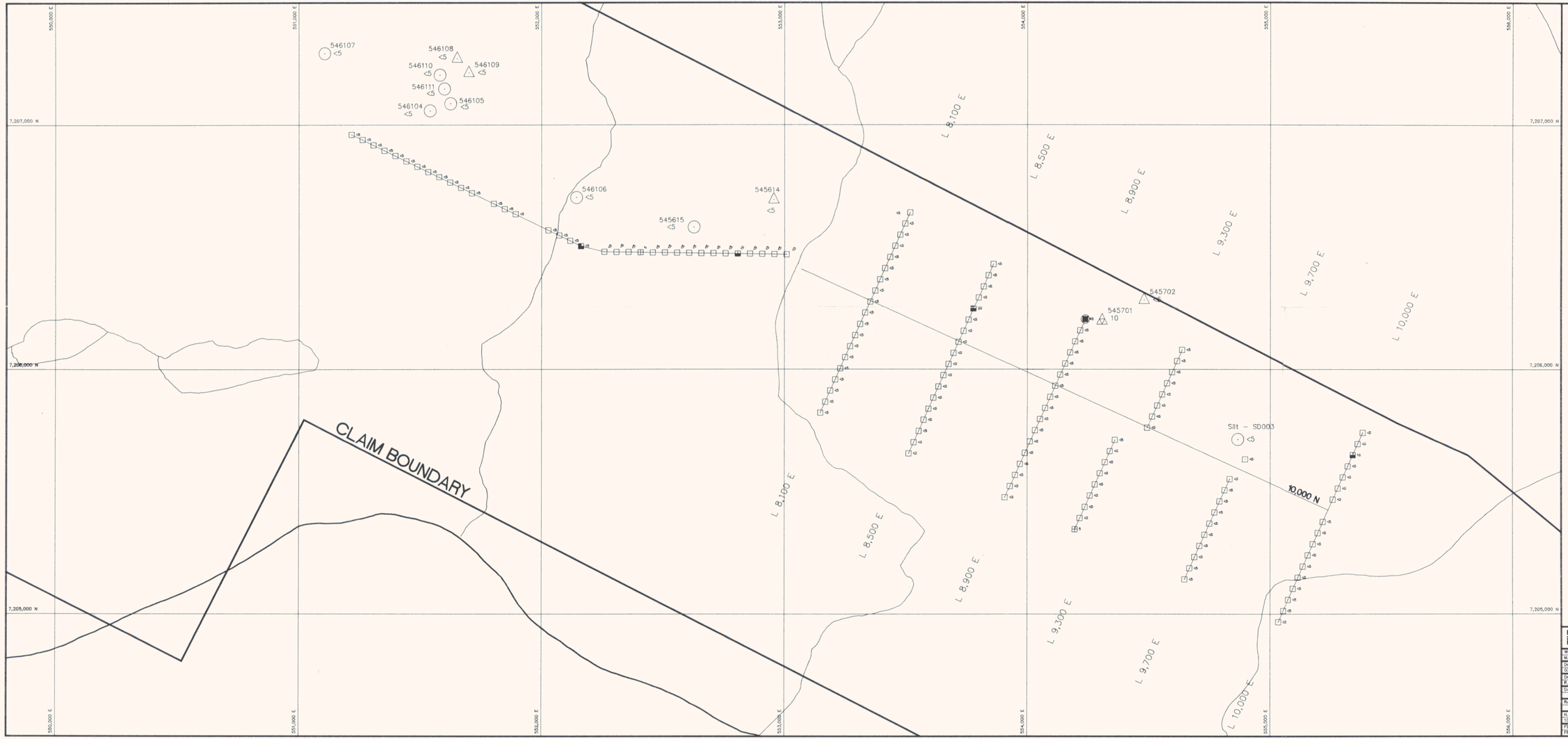
<1 –	3
3 –	7
7 –	113
113 –	4647
4647 –	8865
8868 >>>>>>>	

093181

NOTE Both ROCK and SOIL sample data have been plotted. ROCK samples are identified by a sample number. SOIL samples have no sample number. All samples were taken in 1993.

Westmin Resources Limited

Work By M.B./B.C./S.D.	FAIRCHILD PROJECT SLAB PROPERTY PLUME GRID ROCK AND SOIL GEOCHEMISTRY
Date Drafted 02/12/93	
Drafted By R.A. Ivey	
Title Finished	
Revised By	-- PANDORA DEVELOPMENTS LTD. -- -- EQUITY ENGINEERING LTD. --
N.T.S. Number 104 C/13	Figure 14
File Name FRSPLUMP	100 0 100 200 300m SCALE 1 : 10,000



UTM GRID NORTH

NOTE: UTM GRID North is 1° 01' East of True North.

LEGEND

SAMPLE TYPE (unnumbered)

- Soil
- Silt

ROCK SAMPLE TYPE (numbered)

- Grab
- Chip
- Litho
- Float

Au Values in PPB (SOILS,SILTS)

<5 –	2
2 –	5
5 –	11
11 –	21
21 –	45
45 >>>>>>>	

Au Values in PPB (ROCKS)

<5 –	6
6 –	13
13 –	78
78 –	319
319 –	1405
1405 >>>>>>>	

093181

NOTE: Both ROCK and SOIL sample data have been plotted. ROCK samples are identified by a sample number. SOIL samples have no sample number. All samples were taken in 1993.

Westmin Resources Limited

Work By	M.B./D.C./R.D.
Date Drafted	03/12/93
Drafted By	R.A. Ivany
Date Revised	
Revised By	
N.T.S. Number	106 C/13
File Name	FRSPLUMP

FAIRCHILD PROJECT
SLAB PROPERTY
PLUME GRID
ROCK AND SOIL GEOCHEMISTRY

— PAMICON DEVELOPMENTS LTD —
— EQUITY ENGINEERING LTD —

100 0 100 200 300m
SCALE 1 : 10,000

Figure 15

551

UTM GRID NORTH

NOTE: UTM GRID North is 0° 58' 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
  - Bhtc rock flour and rock fragment matrix, very minor hematite, poorly sorted, angular fragments (chaotic breccia)
- Bhm Homolithic breccia: ranges from well brecciated to crackle brecciated to non–brecciated wall rocks

WERNECKE SUPERGROUP

F *Fairchild Lake Group:* Light grey–, greenish grey–, & locally dark grey–weathering shale, siltstone (80%), fine sandstone and limestone (20%); locally phyllites, schists and slates.
- Fhn biotite–cordierite–garnet hornfels
- Fph grey to green phyllite (chloritoid development)
- Fsh black shale, pyritic
- Fss interbedded calcareous sandstone and siltstone (ribbed unit), minor limestone
- Fssh biotite hornfels (Fss), dark grey colour
- Fstc calcareous siltstone, minor limestone, sandstone
- Fsto spotted hornfels, dark green colour

ALTERATION

Alteration Minerals
- AB albite
- CB carbonate
- CL chlorite
- EP epidote
- GA garnet
- KF K–feldspar
- QZ quartz
- SE sericite

Alteration Intensity
- 1 weak
- 2 moderate
- 3 strong

SYMBOLS

- Outcrop
- Geological Contact (approximate)
- Alteration Contact
- Fault (assumed)
- Bedding/Foliation
- Claim Post
- Diamond Drill Hole (horizontal projection)

Cu Values in PPM

<1 –	11
11 –	17
17 –	47
47 –	187
187 –	607
607 >>>>>>>	

093181
DWG 558

Westmin Resources Limited

Work By	D.C./S.D./M.J.
Date Drafted	03/12/93
Drafted By	R.A. Ivany
Date Revised	
Revised By	
N.T.S. Number	106 E/13, F/4
File Name	FRSEAGLP

FAIRCHILD PROJECT
SLAB PROPERTY
EAGLE GRID
SOIL SAMPLE GEOCHEMISTRY

— PAMICON DEVELOPMENTS LTD —
— EQUITY ENGINEERING LTD —

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

Figure 16

UTM GRID NORTH

NOTE: UTM GRID North is 0° 58' 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
  - Bhtc rock flour and rock fragment matrix, very minor hematite, poorly sorted, angular fragments (chaotic breccia)
- Bhm Homolithic breccia: ranges from well brecciated to crackle brecciated to non–brecciated wall rocks

WERNECKE SUPERGROUP

F *Fairchild Lake Group:* Light grey–, greenish grey–, & locally dark grey–weathering shale, siltstone (80%), fine sandstone and limestone (20%); locally phyllites, schists and slates.
- Fhn biotite–cordierite–garnet hornfels
- Fph grey to green phyllite (chloritoid development)
- Fsh black shale, pyritic
- Fss interbedded calcareous sandstone and siltstone (ribbed unit), minor limestone
- Fssh biotite hornfels (Fss), dark grey colour
- Fstc calcareous siltstone, minor limestone, sandstone
- Fsto spotted hornfels, dark green colour

ALTERATION

Alteration Minerals
- AB albite
- CB carbonate
- CL chlorite
- EP epidote
- GA garnet
- KF K–feldspar
- QZ quartz
- SE sericite

Alteration Intensity
- 1 weak
- 2 moderate
- 3 strong

SYMBOLS

- Outcrop
- Geological Contact (approximate)
- Alteration Contact
- Fault (assumed)
- Bedding/Foliation
- Claim Post
- Diamond Drill Hole (horizontal projection)

Au Values in PPB

<5 –	15
15 –	16
16 –	21
21 –	79
79 –	85
85 >>>>>>>	

093181
Dwg 559

Westmin Resources Limited

Work By	D.C./S.D./M.J.
Date Drafted	03/12/93
Drafted By	R.A. Ivany
Date Revised	
Revised By	
N.T.S. Number	106 E/13, F/4
File Name	FRSEAGLP

FAIRCHILD PROJECT
SLAB PROPERTY
EAGLE GRID
SOIL SAMPLE GEOCHEMISTRY

— PAMICON DEVELOPMENTS LTD —
— EQUITY ENGINEERING LTD —

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

Figure 17