

needs approval

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MINFILE: 106C 012
PAGE NO: 1 of 2
UPDATED: 07/20/94

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

NAME(S): Cirque
MINFILE #: 106C 012
MAJOR COMMODITIES: Cu,Co
MINOR COMMODITIES: Ag
TECTONIC ELEMENT: Mackenzie Platform

NTS MAP SHEET: 106 C 14
LATITUDE: 64°56'41"N
LONGITUDE: 133°18'14"W
DEPOSIT TYPE: Vein
STATUS: Prospect

CLAIMS (PREVIOUS AND CURRENT)

MAMMOTH, WA, PNERD, DOLORES

WORK HISTORY

Discovered by L. Brown and staked for him in Jun/67 as Mammoth cl (Y6719) by Nordex EL. A new company, Bonnet Plume River ML, was formed to develop the claims. Following sampling and prospecting in 1967, a winter road was constructed in early 1968. Work in 1968 and 1969 consisted of additional mapping and sampling.

Restaked in Apr/74 by D. Waugh as part of the WA cl (Y87980) and in Jul/75 by Wernecke JV (Chevron Can L and Aquitaine) as Pnerd cl (Y98240), which were explored by Eldorado Nuclear L under option with mapping and radiometric surveys in 1976. After the Eldorado option expired early in 1981, Wernecke JV performed mapping and soil and chip sampling. Aquitaine changed its name to Kidd Creek ML in 1981.

Restaked Oct/92 as Dolores 1-48 cl (YB29240) by Pamicon Developments Ltd. The Dolores 49-78 cl (YB22529) were added in Aug/93. Pamicon and Equity Engineering Ltd. performed geological mapping and geochemical sampling on the Dolores cl in 1993.

GEOLOGY

The Cobalt Cirque showing outcrops on a steep, almost inaccessible, cirque headwall. Chalcopyrite and lesser amounts of cobaltite occur as disseminations and stringers in siderite-quartz fracture fillings cutting limy argillite of Middle Proterozoic age. The best mineralized zone, located near the crest of an anticline, is about 120 m by 40 m in size, and reconnaissance chip samples collected across the zone averaged 0.2% Cu and 0.02% Co and tr silver. A mafic sill of uncertain age occurs nearby.

The Porphyry showing consists of a complex array of hematite breccia and copper-bearing monzonite/diorite intrusives trending north for at least 200 metres. The showing cores a large alteration system (6 by 4 km) consisting of sodic alteration surrounded by potassic alteration. Copper mineralization in the monzonite/diorite from surface samples and drilling ranges from 0.2% to 1.0%.

REFERENCES

BONNET PLUME RIVER MINES LTD, Sep/68. Prospectus Report by A.R. Archer.

GEOLOGICAL SURVEY OF CANADA Paper 68-68, p. 30-31.

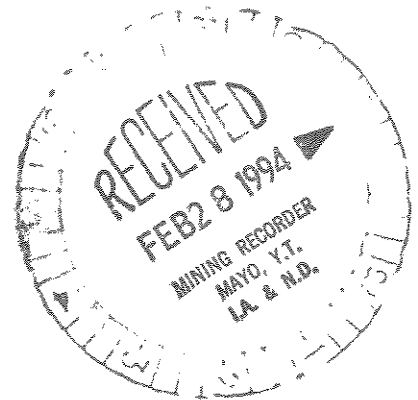
GEOLOGICAL SURVEY OF CANADA Paper 69-55, p. 16-17.

GEOLOGICAL SURVEY OF CANADA Paper 77-1A, p. 435-439.

REFERENCES (continued)

MINERAL INDUSTRY REPORT 1969 and 1970, p. 27-28.

PAMICON DEVELOPMENTS LTD., Feb/94. Assessment Report #093182 by D.A. Caulfield, M.A.
Stammers and M.E. Baknes.



093182

GEOLOGICAL AND GEOCHEMICAL ASSESSMENT REPORT
ON THE
DOLOROS 1 - 48 CLAIM GROUP

Located in the Dolores Creek Area

NTS 106C/14
64° 57' North Latitude
133° 17' West Longitude

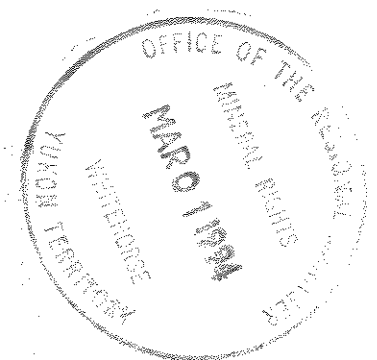
Yukon Territory

- prepared for -

INTERNATIONAL PRISM EXPLORATION LTD.

- prepared by -

David A. Caulfield, P.Geo.
Michael A. Stammers, P.Geo.
Mark E. Baknes, P.Geo.



Dates Work Performed: June 30 to July 8, 1993
Date of Report: February, 1994

Yukon Mining Incentives Program: Designation No. 93-052

**GEOLOGICAL AND GEOCHEMICAL ASSESSMENT REPORT
ON THE DOLORES 1 - 48 CLAIM GROUP**

TABLE OF CONTENTS

	<u>Page</u>
1.0 INTRODUCTION	1
2.0 LIST OF CLAIMS	2
3.0 LOCATION, ACCESS AND PHYSIOGRAPHY	3
4.0 AREA HISTORY	4
5.0 REGIONAL GEOLOGY	6
6.0 1993 WORK PROGRAM	12
7.0 GEOLOGY	
7.1 Property Geology	13
7.2 Porphyry Showing	17
7.3 Cobalt Cirque	19
8.0 MINERALIZATION	
8.1 Property Mineralization	21
8.2 Porphyry Showing	24
8.3 Cobalt Cirque	25
9.0 SOIL GEOCHEMISTRY - Porphyry Showing	26
10.0 CONCLUSIONS AND RECOMMENDATIONS	27

LIST OF FIGURES		<u>Following Page</u>
Figure 1	Location Map	1
Figure 2	Claim Map	2
Figure 3	Regional Geology	6
Figure 4	Property Geology and Mineral Occurrences	13
Figure 5	Compilation Map	Map Pocket
Figure 6	Porphyry Prospect Geology and Geochemistry	17
Figure 7	Cobalt Cirque Geology and Geochemistry	Map Pocket
Figure 8	Porphyry Prospect Cu-Au in Soils	27

GEOLOGICAL AND GEOCHEMICAL ASSESSMENT REPORT
ON THE DOLORES 1 - 48 CLAIM GROUP

TABLE OF CONTENTS

APPENDICES

Appendix A	Bibliography
Appendix B	List of Personnel
Appendix C	Statement of Expenditures
Appendix D	Rock Sample Descriptions
Appendix E	Certificates of Analysis & Analytical Procedures
Appendix F	Geologists' Certificates

1.0 INTRODUCTION

The Dolores 1 - 48 claims are located in the Wernecke Mountains, approximately 190 kilometres northeast of Mayo in the east central Yukon (Figure 1). The property is accessible by air or winter cat road and was located to cover a number of copper and cobalt occurrences located and explored in the late 1960's. Diamond drilling in 1969 at the Porphyry showing returned encouraging results including 0.75% Cu over 22.9 metres. The claim group is underlain by a folded and faulted sequence of weakly metamorphosed Helikian and Hadrynian age sedimentary rocks that have been extensively intruded by hematite breccias, mafic sills and dykes and monzo-diorite (?) plugs.

Recent publication of data on the giant Olympic Dam copper-gold-silver-uranium deposit in Australia lead to the development of applying this deposit model to the Wernecke Supergroup strata and related hematite breccia complexes with its widely documented Cu-U-Co occurrences. It was on this basis that the property was acquired by staking by Pamicon Developments Ltd. and Equity Engineering Ltd. in October, 1992. The claims were subsequently optioned to International Prism Explorations Ltd. in the Spring of 1993. All work since then has been carried out Pamicon and Equity on behalf of International Prism.

This report is based on geological, geochemical and prospecting field work completed on the property from June 30, 1993 to July 8, 1993. Results of this work program confirmed previously noted copper and cobalt mineralization, lead to the discovery of new showings and identified a strong association of anomalous gold values with copper in rock samples. The Dolores 49 - 78 claims were added

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DOLORES PROJECT

DOLORES 1 - 48 CLAIMS

MAYO MINING DISTRICT, YUKON TERRITORY

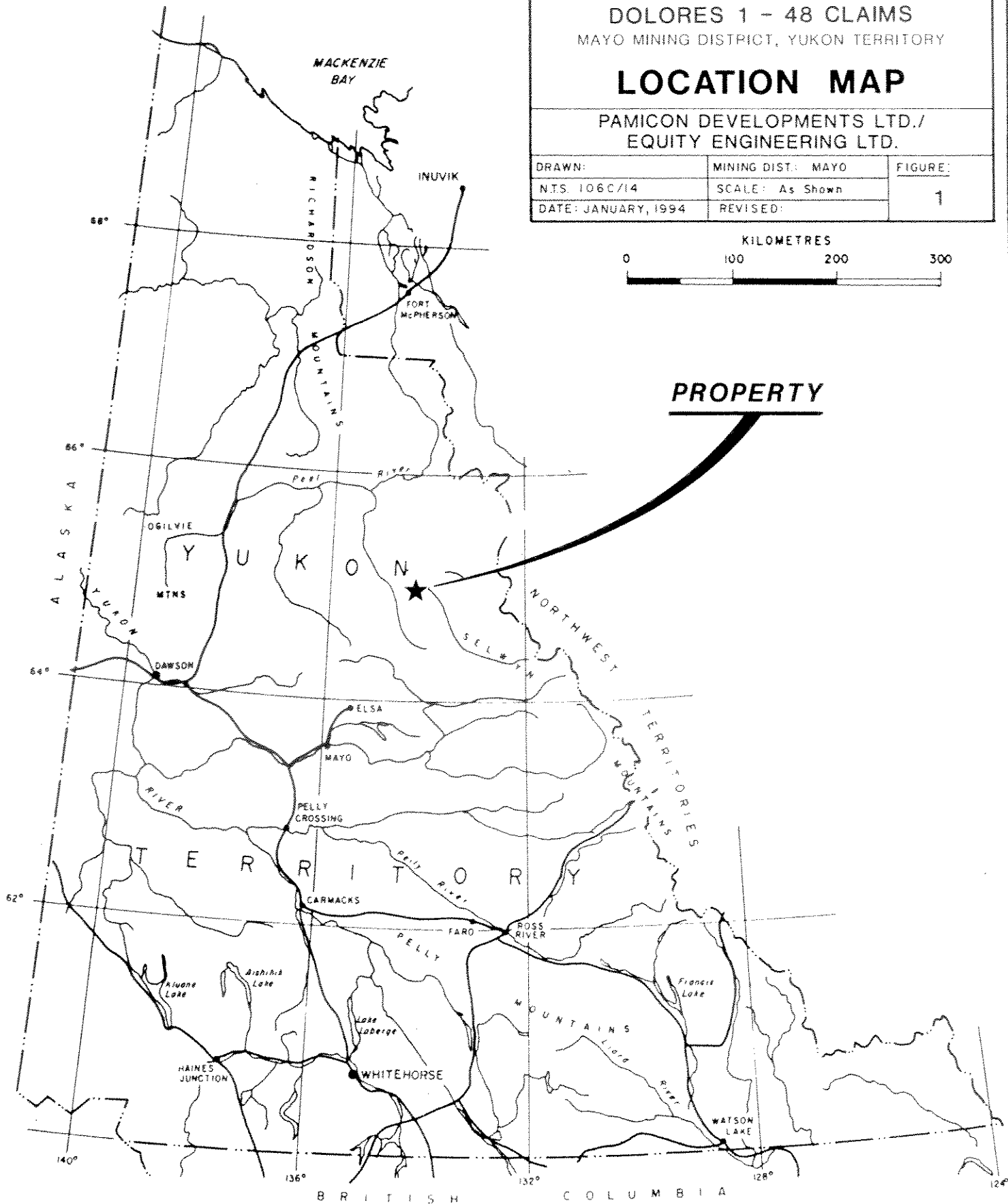
LOCATION MAP

PAMICON DEVELOPMENTS LTD./
EQUITY ENGINEERING LTD.

DRAWN:	MINING DIST.: MAYO	FIGURE:
N.T.S. 106C/14	SCALE: As Shown	1
DATE: JANUARY, 1994	REVISED:	



PROPERTY



in August 1993 to cover favourable ground identified during the course of the field program.

2.0 LIST OF CLAIMS

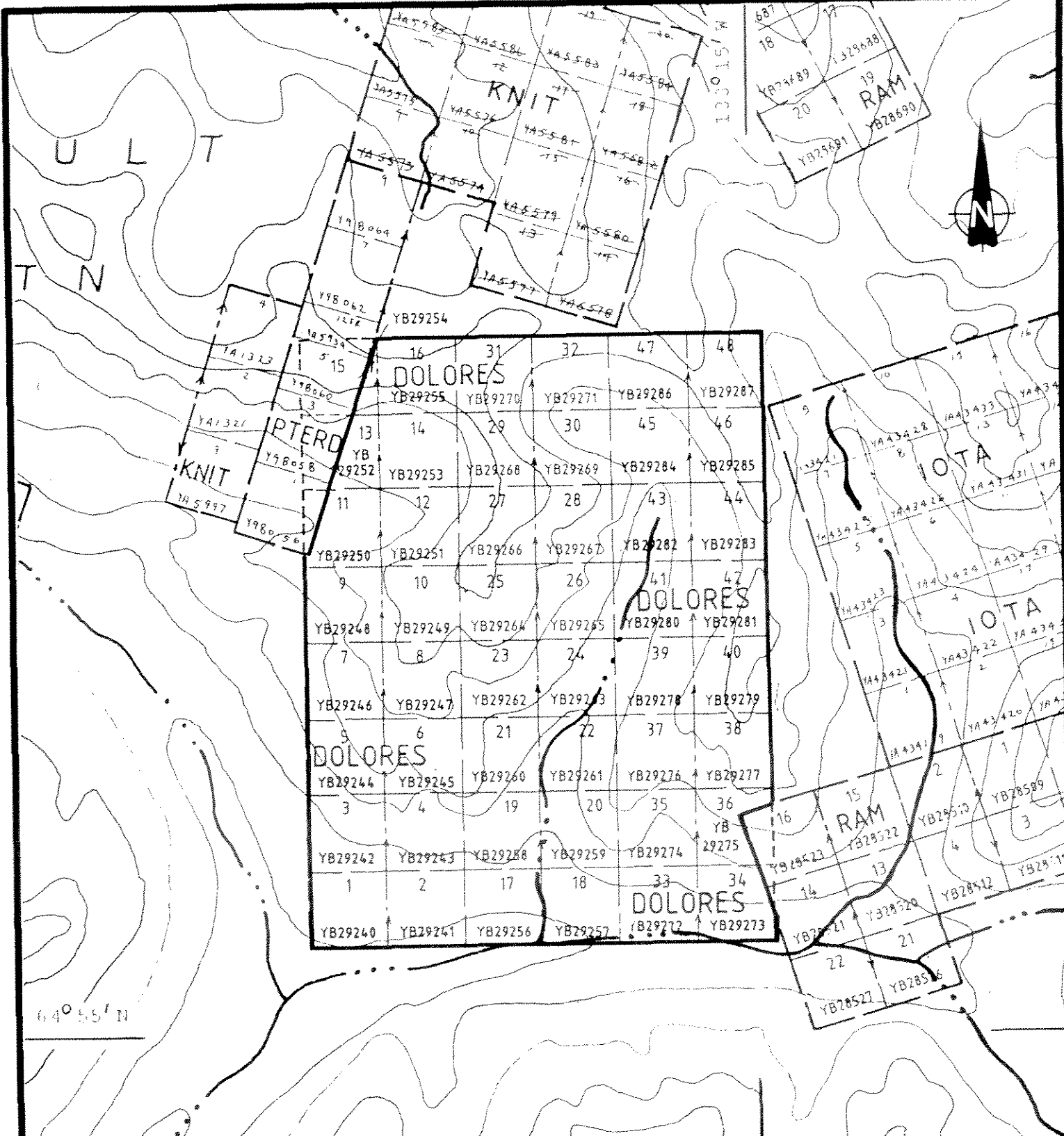
The Dolores property comprises 48 contiguous quartz mineral claims, located in the Mayo Mining District (Figure 2). Government records indicate that the Dolores 1 - 48 claims are each owned 50% by Pamicon Developments Ltd and Equity Engineering Ltd of Vancouver, B.C. The Dolores 49 - 78 claims were added in August 1993 and are held in the name of M. Stammers of North Vancouver, British Columbia. This assessment report only covers the original Dolores 1 - 48 claim group.

TABLE 2.0.1

CLAIM DATA

<u>Claim Name</u>	<u>Record Numbers</u>	<u>Record Date</u>	<u>Expiry Date</u>
Dolores 1 - 48	YB29240 - 287	October 19, 1992	October 19, 1997*
Dolores 49 - 78	YB22537 - 558	August 24, 1993	August 24, 1994

* Pending government approval of assessment work filed



64° 55' N

INTERNATIONAL PRISM EXPLORATION LTD.

DOLORES PROJECT
DOLORES 1 - 48 CLAIMS

MAYO MINING DISTRICT, YUKON TERRITORY

CLAIM MAP

PAMICON DEVELOPMENTS LIMITED/EQUITY ENGINEERING LTD.

DRAWN BY: R.D.	MINING DISTRICT: MAYO	FIGURE: 2
N.T.S.: 106C/14	SCALE: 1/2 Mile to 1 inch	
DATE: JANUARY, 1994	REVISED:	

3.0 LOCATION, ACCESS AND PHYSIOGRAPHY

The Dolores property is located in the Wernecke Mountains of east central Yukon, approximately 190 kilometres northeast of Mayo, which has seasonal scheduled air service from Whitehorse (Figure 1). Approximate coordinates of the claims are 64°57' North longitude and 133°17' West latitude on NTS map sheet 106C/14. The property may be accessed from Mayo by float plane to Fairchild Lake, 23 kilometres to the north-northwest and then by helicopter, to the property. Alternatively, wheeled aircraft may employ an airstrip constructed southwest of the property. This 485 metre (1600') gravel strip is in poor condition and is presently usable over a shorter length, accommodating only small STOL aircraft. Additional work is required to enable larger aircraft such as a DC3 to operate into the strip.

Access during the 1993 program was via fixed wing aircraft to the Bear River airstrip, thence by helicopter to a basecamp shared with Westmin Resources on Breccia Creek. From Breccia Creek, access was by helicopter, 40 kilometres east to the property. A prospectors' fly camp was established in the central claims area.

In the late 1960's, a spur trail was built to the property from the Wind River winter tote road. The Wind River tote road was built during the late 1950's to access oil and gas exploration sites to the north and in the early 1960's was utilized again during work on the Snake River (Crest) iron deposit. In 1968, several bulldozer trails were constructed on the property at Cobalt Cirque and at the Porphyry showing.

Elevations on the Dolores property range between 1065 and 2165 metres above sea level. The topography is mountainous and typical of alpine glaciated terrains, with deep valleys and serrated ridges. Relief ranges from gentle to steep and locally extreme. The majority of the area is above tree line, which lies at approximately 900 metres. Thick stands of spruce are found only in the major river valleys. Above tree line, vegetation consists of alpine grasses and moss with local concentrations of dwarf birch and alder. Work on the lower portions of the claim holdings could proceed from early June to late September with access to the highest elevations restricted to July and August.

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

4.0 AREA 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 late 1950's when Crest Exploration Limited built a winter road from Elsa into their banded iron deposit in the Snake River area. Work on the Snake River Iron deposit outlined 18.6 billion tonnes averaging 47% iron in the Hadrynian Rapitan Group (Yeo, 1986).

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

In 1971, the discovery of zinc-lead showings in the Mackenzie Mountains to the east brought exploration activity to the southeastern portion of the Wernecke Mountains. Continued lead-zinc exploration in the Proterozoic basin led to the discovery of uranium mineralization in 1974 by Archer, Cathro and Associates Ltd. In the period 1975 to 1980, a number of major companies (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 staked and drilled coal reserves to outline in excess of 500 million tonnes of low sulphur, high volatile bituminous coal in Cretaceous strata in the Bonnet Plume Basin located north of the Wernecke Mountain Range.

The 1980's saw very limited exploration throughout the project area. Archer Cathro, Texaco and Cyprus Gold embarked on limited exploration campaigns to test the gold potential of some known uranium and copper occurrences. The lack of recent exploration activity has allowed most of the staked areas to come open. The Dolores property is bounded to the northwest by Archer-Cathro's Pterd group and to the southeast by J. Hajek's Iota-Ram claims.

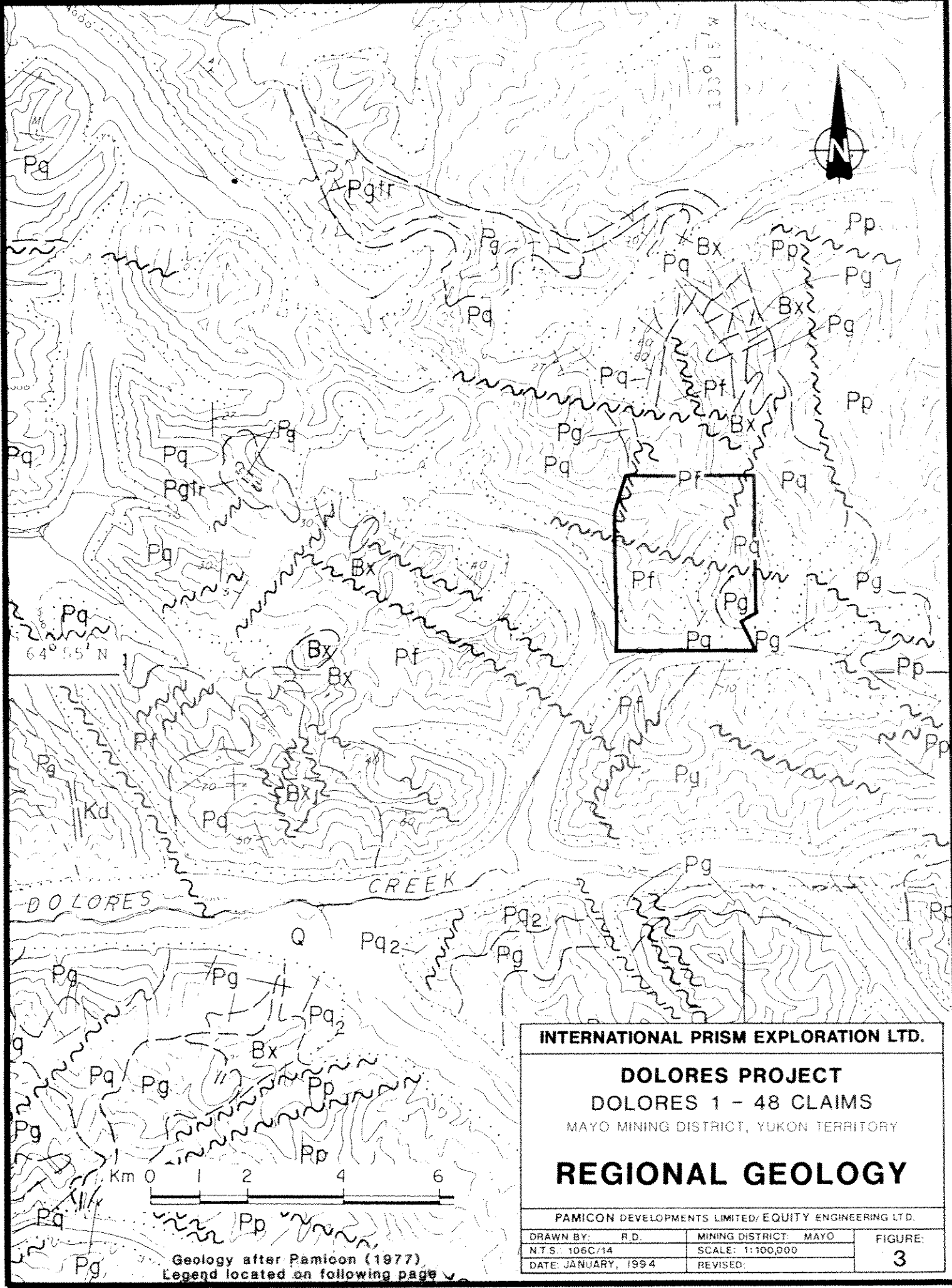
The initial exploration on the Dolores property was conducted during two periods: 1967 - 1969 and 1974 - 1976. Following the discovery of copper mineralization,

Bonnet Plume River Mines conducted soil geochemical and ground magnetic surveys, geological mapping and prospecting in 1967. Further mapping and road building was completed the following year. In 1969, additional soil geochemistry and diamond drilling (7 holes; 609.9 m.) was conducted. During the 1970's, the hematite breccias were examined for their potential uranium content. Additional work in 1981 - 1983 (Texaco Canada Resources) and 1987 - 1988 (Silverquest Resources; Cyprus Gold Canada) was undertaken with an emphasis on gold mineralization.

5.0 REGIONAL GEOLOGY

The Wernecke Mountains are cored by at least 14,000 metres of generally fine-grained terrigenous and carbonate rocks of Helikian age that have been penetrated by mineralized breccias and cut by mafic sills and dykes (Figure 3). The entire succession has been named the Wernecke Supergroup and has been divided into three groups (oldest to youngest): Fairchild Lake Group, Quartet Group and Gillespie Lake Group. To the east and south, the Hadrynian Pinguicula Group unconformably overlies the Wernecke Supergroup. Paleozoic strata bound the western margin and Cretaceous and Tertiary sediments fill the area to the north in the Bonnet Plume Basin.

The first recorded geological mapping in the area was by C. Camsell of the Geological Survey of Canada in 1905, who completed a topographic and geological survey between the Stewart River and Fort McPherson. In 1961, "Operation Ogilvie" was launched and the Nash Creek (106D), Larsen Creek (116A) and Dawson



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DOLORES PROJECT
DOLORES 1 - 48 CLAIMS
 MAYO MINING DISTRICT, YUKON TERRITORY

REGIONAL GEOLOGY

PAMICON DEVELOPMENTS LIMITED/ EQUITY ENGINEERING LTD.

DRAWN BY: R.D.	MINING DISTRICT: MAYO	FIGURE: 3
NTS: 106C/14	SCALE: 1:100,000	
DATE: JANUARY, 1994	REVISED:	

Geology after Pamicon (1977)
 Legend located on following page

LEGEND

(to accompany Figure 3)

LITHOLOGIES

QUATERNARY

Q Unconsolidated glacial and alluvial deposits.

CRETACEOUS(?)

Kd Diabase

Kdi Diorite

PALEOZOIC

E Carbonate and siliciclastic sediments, undivided.

PROTEROZOIC

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

Bx *Hematite breccia*

WERNECKE SUPERGROUP

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

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

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






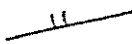



Pq₁ Black shale with sandstone and shale interbeds, quartzite.

Pq₂ Pyritic quartzite.

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

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

SYMBOLS

-  Geological contact (defined, approximate, assumed)
-  Thrust fault (defined, approximate)
-  Fault (defined, assumed)
-  Bedding attitude defined (G-gentle, M-moderate, S-steep)
-  Bedding overturned
-  Bedding tops unknown
-  Anticlinal axis (arrow indicates plunge)
-  Synclinal axis (arrow indicates plunge)
-  Limits of unconsolidated glacial and alluvial deposits

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

The Fairchild Lake Group outcrops along the western edge of the Bonnet Plume River, at Bond Creek and near the headwaters of the Little Wind River. The thickness is greater than 4,000 metres and the base of this sequence has not been observed. The lowest members of the Fairchild Lake Group consist of light to dark green, fractured, chloritic siltstone grading upwards into light grey, massively bedded, siliceous siltstone (F-1). The remainder of the section consists of alternating repetition of the grey siltstone described above and an interbedded unit of narrow limestone (20%) and siltstone (80%) beds (F-2). The interbedded unit is recognized by its "ribbed" weathering. Overlying these units is a sequence of massively bedded, green calcareous siltstone, brown weathering dolomite and a coarser, light green sandstone or quartzite with local magnetite

(F-3, F-4). The top of this section is marked by a 12.0 metre massively bedded, calcareous white quartzite overlain by thin bedded, green calcareous siltstone and minor limestone. The transitional (F-Tr) upper part of the Fairchild Lake Group is measured from the appearance of a well developed phyllite. Overlying the phyllite is a bed of black, soft silty shale, followed by 170 metres of thick, massively interbedded section of brown weathering dolomite with black shale and topped by 120 metres of pyritic, rusty weathering, black shale. Near the top of the dolomite sequence is a distinctive 12 metre thick marker horizon of white, recrystallized limestone. This sequence is typical of a thick miogeoclinal succession.

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

The Gillespie Lake dolomitic rocks exhibit a gradational contact with the underlying Quartet Group. The thickness of the transition zone varies from 25

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

The overlying Pinguicula Group of Hadrynian age consists of a basal andesitic flow overlain by coarse unsorted conglomerate, alternating red and green siltstones/sandstones, and, finally by stromatolitic dolomite. This poorly studied group has been correlated to the Coates Lake Group or "copper cycle" in the upper part of the Mackenzie Mountains Supergroup (Jefferson and Ruelle, 1986). Its lower contact and upper contact, which is marked by glacial deposits of the Rapitan Group (Windermere or Ekwi Supergroup), are both erosional unconformities.

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

The Wernecke Supergroup is cut by gabbro dykes/sills and one body of peridotite. Several lamprophyre dykes approximately 1.0 metre wide, with books of fresh biotite up to 4.0 centimetres in diameter are found northwest of Fairchild Lake (Archer and Schmidt, 1978). K-Ar dating of biotite points to a Late Proterozoic age for these dykes (Delaney, 1981). Diabase dykes, tentatively assigned a Helikian age, occur in the southern half of the map-area.

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

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

At least two early major orogenic events affected the Proterozoic strata in the Werneckes. These include the "Racklan orogeny" at the base of the Pinguicula Group (1.2 Ga) and a major rifting event at the base of the Rapitan Group (0.8 Ga), the "Hayhook orogeny" (Young et al, 1979).

Deformation due to the Racklan orogeny consists mainly of intense cross block faulting with steep reverse and normal block faulting and subsequent rotation of large blocks. Folding is normally an open style and the Richardson Fault Array was probably active (Delaney, 1981). This deformational phase is consistent with an extensional rifting environment producing mafic volcanic flows at the base of the Pinguicula Group and development of the breccia complexes.

Within the Lower Fairchild Lake Group, the deformation is more intense as folds are normally tight, isoclinal and occasionally recumbent. A large portion of the group is overturned south of Fairchild Lake. Since the degree of alteration and structural complexity of the Quartet and Gillespie Lake Groups is much less, it is suspected that another orogeny, compressional in nature, affected the Lower Fairchild Lake Group, perhaps marking the boundary between the Aphebian and Helikian. Bell (1982) feels that these structural features were produced by the interaction of transcurrent faults producing areas of tension and compression creating variations in style and intensity of deformation.

Four styles of nonferrous metallic mineralization have been identified in Proterozoic rocks of the Wernecke Mountains: (1) Hematite breccia and vein related copper-uranium-gold-silver-cobalt, (2) Sedimentary copper, (3) Shale-hosted lead-zinc-silver, and (4) Carbonate hosted lead-zinc-silver. To date, the greatest exploration effort has been concentrated on the breccia mineralization, but even this effort has been really limited to the period 1975 - 1980 and almost solely targeted at the uranium.

6.0 1993 WORK PROGRAM

An exploration program comprising geological mapping, grid emplacement, soil geochemistry and prospecting was completed on the Dolores 1 - 48 claims from June 30 to July 8, 1993.

Mapping included 1:10000 preliminary surveys over most accessible portions of the property and 1:2500 detailed work over the Porphyry showing grid and hipchain and compass controlled surveys in Cobalt Cirque.

Grid emplacement at the Porphyry showing included the establishment of secant chained and picketed 500 metre long baseline with six, 500 metre long, hipchained and compassed, flagged crosslines 100 metres apart.

A total of 64 soil samples was collected every 50 metres on lines 100 metres apart at the Porphyry showing. Samples were taken, where possible from either B or C horizon at depths ranging from 10 to 40 centimetres and averaging about 20 centimetres. The sample site was marked in the field with plastic flagging tape or on a metal tag attached to a wood picket. The sampler recorded notes pertaining to sample horizon, colour, texture, vegetation, and local physiography. Samples were partially dried in camp then shipped to Chemex Labs, North Vancouver B.C. for preparation and analysis. Analytical procedures and a complete set of results for gold, lanthanum and 24 elements by ICP geochemistry are listed in the appendices. One soil sample returned a copper value over the detection limit and was subsequently assayed.

Geological mapping was completed on the Porphyry grid at 1:2500 scale, Cobalt Cirque area at 1:1000 scale and at 1:10000 scale over other areas of the property where accessible. Prospecting was carried out by a dedicated two man crew in and around the claims area concurrent with mapping.

A total of 94 rock samples was collected on the Dolores property and includes 11 lithogeochemical, 52 grab samples and 31 chip samples. All samples were shipped to Chemex Labs (as above) and analyzed for gold, lanthanum and 24 elements by ICP geochemistry. Twenty-six overlimit results were assayed for copper and four for cobalt. Rock descriptions, analytical procedures and complete results are included in the appendices of this report.

7.0 GEOLOGY

7.1 Property Geology (Figures 4 and 5)

The Dolores property is underlain by a complexly folded and faulted sequence of Proterozoic Wernecke Supergroup strata cut by hematite breccia and felsic and mafic intrusives. Pinguicula Group rocks, consisting of maroon and green laminites, lie unconformably on Wernecke strata east of the property. The property geology is summarized on Figure 4 after (Bell 1986b), while Figure 5 presents more detailed results from the 1993 work program.

The Dolores Creek area is situated in the core of a northeast trending and northeast plunging anticline. Stratigraphy has been intensely faulted with

immense vertical displacement in evidence with Fairchild Lake, Quartet, Gilliespie and Pinguicula Group rocks frequently juxtaposed against each other. The oldest rocks, consisting of fine siliclastics interbedded with carbonate units, form part of the Fairchild Lake Group. These units are light grey to green to purple and vary from thin to thick bedded. They have been metamorphosed to lower greenschist facies. Near the top of the Fairchild Lake Group, a banded iron formation (**Fbif**) comprised of jasper, specular hematite and ankerite occurs in a north-northwesterly trending outcrop north of Cobalt Creek immediately west of the property. Limestone (**Fls**) and dolomite (**Fdo**) form massive, grey weathering bluffs in the western claims area and in Discovery Creek cirque. In addition, in the large areas mapped as undefined Wernecke breccia (**Bxx**), a large component of this map unit includes metasomatized dolomite and limestone. The limestone and dolomite units are often in contact with a thick shale (**Fsh**) and/or phyllite (**Fph**) unit which includes grey, grey-green and green thinly bedded lithologies. Two other members of the Fairchild Lake Group have been mapped in the southern claims area and include a laminated green-grey siltstone (**Fst**) and a purple, earthy hematite rich mudstone (**Fms**) with minor dolomite in the far southwest claims area.

The Quartet Group (**Q**) sediments outcrop on the northern, western and eastern part of the property. This group consists of a thick monotonous sequence of dark grey to black, fissile shale with coarse, arenaceous fractions and dolomite near the top of the section. These rock units have been only weakly metamorphosed.

The Quartet Group grades upwards through interbeds of grey argillite and limestone-dolomite (**Gdos**) into the dominantly orange weathering dolomite facies (**Gdo**) of the Gillespie Lake Group (**G**). This unit contains abundant stromatolites, chert nodules and sparry karst infillings. As noted above, the

Wernecké assemblage is unconformably overlain by maroon coloured shale (Pms) of the Hadrynian Pinguicula Group to the east and on the west side of Discovery Creek.

The Wernecké strata is intruded by gabbroic to dioritic dykes (Idi), monzonite to diorite (Imd) plugs and hematite breccia (Bxx) bodies. None of these bodies penetrate into the Pinguicula strata. The gabbroic to dioritic intrusives are composed of feldspar, hornblende and magnetite with accessory pyrite and chalcopyrite. The largest of these, some 100 metres in width, outcrops in the northwest corner of the property. Archer (1967a) states that this dyke appears as a coarse-grained diorite in the core and is more diabasic at the margin. Laznicka and Edwards (1979) noted from thin section that the plagioclase feldspar in the diorite has been altered to albite.

The monzonite to diorite map unit appearing in this report has been referred by various authors as a syenite (Archer, 1967a,b), diorite or quartz diorite (Szetu, 1967) and albite syenite (Laznicka and Edwards, 1979). Until whole rock analysis is made, the authors prefer using monzonite as a general field mapping term to recognize the rich alkali feldspar content and to avoid confusion with the more basic gabbro described above. These feldspars have been described by earlier workers as being orthoclase (K-feldspar), oligoclase-andesine (Na-Ca feldspar) and albite (Na-feldspar). Of note, Laznicka and Edwards (1979) interpret this rock unit as the end member of progressively stronger albite metasomatism derived from the hematite breccia while others indicate a magmatic origin for it. The monzonite contains little quartz and 10 - 15% hornblende (Archer, 1967a). Accessory minerals include magnetite, specular hematite and chalcopyrite. The mineralization at the Porphyry showing is hosted by the monzonite.

The hematite breccia is typical of the Wernecke hematite breccias although previous workers described it as an agglomerate, pseudoconglomerate and clastic intrusive breccia. The breccia contains a variety of angular fragment types cemented in a dark aphanitic matrix containing chlorite, albite, dolomite and ubiquitous specular hematite as coarse aggregates or as fine disseminations. Clast size average 2 - 5 centimetres but varies from small pebbles to blocks several metres in diameter. The breccias range from near conformable to clearly discordant and they are best developed in the area of the Porphyry prospect and north and east of Discovery Creek. The degree of fragment rounding, rotation and the matrix:clast ratio increases towards the core of the breccias. In addition, Archer (1967b) described thin vesicular andesitic flow units associated with the breccias. There appears to be a spatial relationship between the fault structures and the location of intrusives, hematite breccia and carbonate lenses. The greatest density of all three coincides with a northeasterly trending corridor through the Porphyry prospect. As far as timing of the different intrusive elements, Laznicka and Edwards (1979) noted that "a thin diorite [gabbro] abruptly terminates against a body of breccia" and the monzonite clearly crosscuts the boundary of the hematite breccia. Fragments of gabbroic/dioritic and monzonitic material have been noted in the hematite breccias.

Structurally, the Dolores property stratigraphy has been disrupted by numerous northeast and east-west trending faults, some showing extreme displacements. These faults are indicated by drainages which show a discontinuity of stratigraphy across their courses.

7.2 Porphyry Showing (Figure 6)

The Porphyry showing is centred on copper mineralization hosted in a monzonite-diorite stock (**Imd**) (Figure 6). Geologically, the area is divided into two parts separated by a north-trending fault following the creek on the east side of baseline. All of the significant copper mineralization is found west of the fault.

The east side of the fault is underlain by a north-northeast trending belt of heterolithic (**Bht**) and homolithic (**Bhm**) breccias intruding Quartet Group grey siltstones and argillite (**Qst**). In the southeast corner of the grid, the siltstone lies in contact with wavy, kinked calcareous phyllite (**Fph**) of the Fairchild Lake Group. The breccias in turn are cut by diorite (**Idi**) dykes which trend northwest. The diorite differs from the monzonite unit on the west side of the fault in that it has a more mafic composition and is only weakly mineralized. The diorite is blocky-fractured and grey-green on weathered surface. On fresh surface, it appears as a medium-grained, equigranular intergrowth of plagioclase and chlorite-altered mafic minerals with variable magnetite. At 5320N, 5250E, the breccia on the south side of the dyke is altered to light pink potassium feldspar; veinlets of potassium feldspar may be found within the diorite. The breccias are comprised of Quartet Group fragments with a matrix variably altered by chlorite, carbonate, potassium feldspar, sericite and specular hematite (up to 7%). Sedimentary units in contact with the breccia are altered by a similar assemblage of alteration minerals. Metasomatized pink siltstone may have rhombohedral shaped pits on outcrop surfaces due to dissolved carbonate porphyroblasts. Adjacent to the fault, the sediments have a buff

LEGEND

(to accompany Figure 6)

LITHOLOGIES

PROTEROZOIC

I *Igneous Rocks*

- Idi diorite, gabbro
- Imd monzonite, diorite

B *Wernecke Breccia:*

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

WERNECKE SUPERGROUP

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

- Qst grey siltstone, argillite



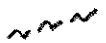

F *Fairchild Lake Group:* Light grey-, greenish grey-, and locally dark grey-weathering shale, siltstone (80%), fine sandstone and limestone (20%); locally phyllites, schists and slates.

- Fph grey to green phyllite, dolomitic
- Fst siltstone, grey-green
- Fstc siltstone, calcareous
- Fms maroon mudstone

ALTERATION AND MINERALIZATION

- CB iron carbonate
- CL chlorite
- CP chalcopyrite
- KF potassium feldspar
- MS sericite

SYMBOLS

-  Outcrop
-  Geological contact (approximate)
-  Fault (assumed)
-  Bedding/foliation

colour due to strong carbonatization, are highly fractured and are intensely sheared parallel to the creek direction.

West of the main fault, an east-west fault separates predominately finely laminated, calcareous, grey siltstone (**Fstc**) of the Fairchild Lake Group from an area of monzonite-diorite intrusions (**Imd**), maroon mudstone (**Fms**) and heterolithic hematite breccias (**Bht**) on the south side of the fault. All of the latter units are part of a breccia-intrusive complex quite different and separate from the more simple stratigraphic sequences north of the fault trace. Exceptions to this simplified picture are banded iron formation and finely laminated maroon siltstone in **Fstc** dominated lithology. Unit **Imd** is a medium-grained, leucocratic intrusive that contains plagioclase, potassium feldspar, hornblende, magnetite and very minor quartz. The high sodium values returned in rock samples suggest that the plagioclase is likely albitic. A variation of this unit is a porphyritic dyke with 1 - 2 millimetre plagioclase phenocrysts at 5140N, 5080E. The aphanitic matrix is light pink, nonmagnetic and contains no sulphide mineralization. The monzonite clearly crosscuts breccia although minor intrusive clasts, some of which are altered, are found along with mainly maroon, pink and grey fine-grained sediments in the clast supported heterolithic breccia. Some of the breccias have a strong maroon colour and have been designated separately (**Bhtp**). The maroon colour of unit **Fms** is caused by finely impregnated specular hematite likely introduced during a process probably linked fairly closely to the breccia emplacement. The contact between the mudstone and breccia is often indistinct. At 5050E, 4990E, the mudstone contains approximately 10% angular pink fragments resembling a lapilli tuff-breccia volcaniclastic.

7.3 Cobalt Cirque (Figure 7)

Cobalt Cirque is underlain by lithologies belonging to the Fairchild Lake Group. The area of mineralization is underlain by black and grey shales, slates (**Fs1**) and pale green phyllites (**Fph**) (Figure 4, 7). The sequence of shales and phyllites is broadly folded into a single anticline that occupies the head of the cirque, with an axis trending roughly east-west and plunging shallowly to the west. Foliations on the south limb average $128^{\circ}/45^{\circ}$ SW and on the north limb $025^{\circ}/33^{\circ}$ NW. Light grey crystalline dolomite is exposed on the northwest wall of the cirque, part of which is strongly altered imparting a bright orange-red coloration. Maroon-weathering heterolithic breccia (**Bht**) with maroon siltstone fragments and possible diorite fragments, outcrops in a small area on the south wall of the cirque. Intrusive rocks include monzo-diorite (**Imd**), which is a medium-grained greyish green intergrowth of plagioclase, potassium feldspar, quartz, pyroxene, amphibole, pyrite and magnetite. The monzo-diorite is variably textured with local coarse, and rare pegmatitic, segregations, suggesting a high level of emplacement.

Alteration in Cobalt Cirque is extensive and is the cause of a rusty brown colouration of much of the east end of the cirque. Alteration is primarily of two types, which likely formed during the same alteration event. Pervasive sericite alteration affects a significant proportion of the phyllitic units, imparting a pale grey green colour and formation of a phyllitic cleavage. The division of Fairchild rocks into slates, shales (**Fs1**) and phyllites (**Fph**) is based on development of shaley versus phyllitic cleavage and the grey versus green colour; and as such, the division may be an alteration effect rather than

a primary lithological contrast. The zones of sericite alteration appear to centre on, but extend beyond, the zones of iron carbonate alteration. Iron carbonate-quartz alteration is the main alteration type associated with copper and cobalt mineralization. Iron carbonate occurs as pervasive zones of iron carbonate replacement, that are peripheral to zones of intense alteration marked by stockworks of milky and cockscomb quartz and coarse crystalline iron carbonate. Quartz-iron carbonate forms conformable, well-defined veins, discontinuous and irregular replacement-type veins and as cross cutting veins and conjugate tension fractures. All vein types may contain coarse blebs of chalcopyrite and locally, crystalline cobaltite. Potassium feldspar alteration is not easily recognised in the cirque, however it does occur as a contact halo around a monzo-diorite outcrop near the ridge top, on the south wall of Cobalt Cirque. A very localised zone of intense clay alteration is also associated with the intrusive contact.

The relative timing of breccias, veining/mineralization, intrusive activity, deformation and alteration are revealed by exposures within the Cobalt Cirque area. Heterolithic breccia (**Bht**) is found adjacent to the intrusive (**Imd**) and may contain intrusive fragments, as well as potassium feldspar-altered fragments. The presence of potassium feldspar-altered fragments in the breccia as well as a contact potassium feldspar alteration halo about the intrusive suggests brecciation may be associated with the intrusive or postdates it. Specular hematite and traces of chalcopyrite mineralization noted in the breccia occur as cross-cutting stringers in the intrusive. Pervasive iron carbonate alteration overprints both the breccia and intrusive. Mineralized veins and replacements occur in conformable and cross-cutting structures. Of particular interest are

veins that occupy open fold hinges, kink bands, conjugate fractures and tension veins. These kinematic indicators are believed to be related to the fold event (F_2), which caused open folds, such as the major antiform occupying Cobalt Cirque. The implication of these relationships is that veining, alteration and mineralization postdated intrusive and breccia activity and may have been coincident with folding. As mentioned above much of the mineralization occurs in zones of replacement. In Cobalt Cirque the area of replacement style mineralization roughly coincides with the core of the major antiform. It is possible that dissolution, which is often concentrated in the cores of folds, provided the open space and favourable environment for quartz-iron carbonate alteration and sulphide mineralization.

8.0 MINERALIZATION

8.1 Property Mineralization (Figures 4 and 5)

Abundant copper and lesser cobalt mineralization has been discovered on the Dolores property (Figure 4). Significant gold and silver values are associated with both cobalt and copper while very high nickel results were returned from the cobalt-rich samples. All of this mineralization is related to Helikian hydrothermal systems generated by the emplacement of the intrusives and/or hematite breccias. In a regional sense, this mineralization occurs within a central zone of sodic alteration encompassed by phyllic (sericite) alteration.

The copper mineralization may be grouped into four classifications: (1) quartz-carbonate vein type, (2) diorite/gabbro-related, (3) monzonite hosted "porphyry"

style and (4) hematite breccia mineralization. The more massive chalcopyrite mineralization is found in the vein type whereas the chalcopyrite may be evenly disseminated in the other three. Cobalt, in the form of cobaltite, occurs as fine-grained masses in carbonate veins or as fine disseminations in the surrounding country rocks. Surface weathering has produced malachite (\pm azurite, chrysocolla) and erythrite, respectively from copper and cobalt sulphide mineralization. Euhedral pyrite grains are found in both sedimentary and intrusive rocks. Magnetite occurs with abundance in intrusive units and is closely associated with copper mineralization.

Discovery Showing

This original discovery is typical of the quartz-carbonate vein type which may be fault-related and is hosted in carbonate strata of the Gillespie Lake Group. The vein is narrow (<30 cm) and is limited in strike length to the exposure in Discovery Creek. In one area, 2.5 metres by 3.7 metres, the host carbonate unit has been replaced adjacent to the vein and this zone has been well mineralized with chalcopyrite assaying 6.91% copper over 2.8 metres (546055). Other anomalous values from this sample include 10.0 ppm Ag, 56 ppm Mo and 300 ppm Zn. A select sample (545056) from this same location assayed 32.4% Cu, 40 ppb Au, 36.0 ppm Ag, 230 ppm Mo and 612 ppm Zn. No further mineralization was found in the immediate area.

Other Occurrences

At the head of Discovery Creek, disseminated chalcopyrite and lesser cobaltite occurs within Fairchild Lake Group sediments, in diorite/gabbro and in Wernecke breccia. Secondary mineralization including malachite, azurite and erythrite is

ubiquitously associated with the primary sulphides. Some of the mineralization resembles that found over the cirque headwall at Cobalt Creek. In general, mineralization is either lensey or discontinuous. Many samples were collected from this area with copper results ranging from 22 ppm Cu to 1.2%, gold from <5 ppb to 310 ppb and cobalt from 6 to 655 ppm Co. A one-metre chip sample (546064) taken across a 10 metre long chalcopyrite-erytherite mineralized exposure of fractured grey and brown Fairchild Lake Group shales ran 6140 ppm Cu, 140 ppm Co and 140 ppb Au. Mineralization appears associated with one or all of the following features: an 030° trending fault structure, minor east-west fractures and bedding plane slips. A second sample (546065), taken across 2.0 metres and collected 25 metres away from the first chip sample, returned values of 3380 ppm Cu, 655 ppm Co and 40 ppb Au (Figure 5).

Several small chalcopyrite showings were located in the southeast claims area on the slope facing Tetrahedrite Creek. Replacement style chalcopyrite-tetrahedrite mineralization occurs in Gillespie Lake dolomite adjacent to Wernecke breccia or as disseminated chalcopyrite in the breccia itself. Chip sample 546155 across a 0.65 metre wide vein hosted by dolomite ran 1.99% Cu, >200 ppm Ag, 90 ppb Au and 2390 ppm Zn. A select grab sample, 546151 taken from a mineralized structure at the contact between Wernecke breccia and Gillespie Lake dolomite assayed 9.8% Cu, 330 ppb Au, 10 ppm Ag and 265 ppm Mo. Grab sample 546153, collected from hematite breccia and containing disseminated and blebby chalcopyrite ran 1.71% Cu and 60 ppb Au.

A third area of other noteworthy mineralization is in the western claims area southwest of Cobalt Cirque where silicified and iron carbonate altered Fairchild

Lake Group sediments host-fracture controlled chalcopyrite mineralization. Chip sample 546176 across 8.0 metres returned values of 1325 ppm Cu, 462 ppm Co and 25 ppb Au. A two metre chip sample (546178) located 15 metres from the above sample ran 2.38% Cu and 405 ppb Au. Further geological evaluation in this area is required.

Northwest of Cobalt Cirque, bornite and chalcopyrite mineralization was discovered near the contact between dolomite of the Fairchild Lake Group and overlying Quartet shale adjacent to a gabbro dyke. Wispy and blebby bornite occurs in fracture fillings and along some bedding planes within the dolomite. Mineralization has been described as discontinuous and erratic. Grab samples 545564 and 545566 assayed 7.14% Cu, 110 ppb Au, 119 ppm Ag and 3.33% Cu, 40 ppb Au and 118 ppm Ag, respectively.

8.2 Porphyry Showing (Figure 6)

Significant copper mineralization at the Porphyry showing is hosted in Unit Imd associated with pervasive potassium feldspar and weak chlorite alteration of the mafic grains. Chalcopyrite is the only hypogene copper sulphide with very minor pyrite and magnetite. The chalcopyrite occurs mostly as evenly distributed disseminated grains and less frequently as fracture coatings. Greater concentrations occur in magnetite-rich marginal phases (545669) of the stock. Although sediments and heterolithic breccia adjacent to the monzonite are intensely potassium feldspar, chlorite and specular hematite altered, sulphide mineralization is poor (545670).

The main mineralized zone, approximately 50 metres wide, can be traced along a north-northeasterly direction for approximately 200 metres following the trend

of the monzonite-diorite stock. The zone remains open to the south-southwest. The 1993 samples confirm the consistent nature of the mineralization with copper values ranging from 1885 to 6070 ppm. Gold, silver, cobalt, lead, zinc, tungsten and lanthanum values are low whereas phosphorus and sodium values are enriched. This sampling is consistent with the 1960's work by Archer (1967b) and drilling which returned a best result of 0.75% copper over 22.9 metres.

Other copper mineralization on the grid includes chalcopyrite associated with diorite (545651, 320 ppm Cu) and heterolithic breccia float (545652, 8484 ppm Cu) on the east side of the grid. On the west side of the grid, a carbonate-rich fault zone at 5440N, 4900E contains chalcopyrite but was not sampled.

8.3 Cobalt Cirque (Figure 7)

Copper and cobalt mineralization with lesser nickel and gold occur in a broad area of Cobalt Cirque measuring roughly 500 by 500 metres square. Mineralization within this zone is very discontinuous, but is locally very high grade. Mineralization is associated with large zones of sericite alteration and directly associated with zones of strong iron carbonate (dolomite?) and quartz alteration and veining. Secondary minerals include erythrite, malachite and abundant manganese oxide. As already discussed, the veins and replacements have many different forms and orientations, however, it appears that mineralization is grossly conformable to the main foliation, which has been broadly folded into a roughly east-west trending antiform. Chalcopyrite, cobaltite and minor pyrite occur as blebs and crystal masses and locally, as conformable disseminated zones. Massive sulphide veins of narrow width are common on the east and south east end

of the cirque. Estimation of the actual grade and extent of mineralization is made difficult because of the severity of the terrain and by the nature of the mineralization. A number of chip samples were taken near the base of outcrop exposures around the perimeter of the cirque in an effort to estimate the average grade of mineralization. The mineralization in the lower reaches of the cirque is of lower grade, but over more substantial widths than that on the upper southeast extremes of the cirque. Samples from the upper east and southeast sides of the cirque are grab samples from high grade veins that are generally less than 20 centimetres thick. The chip sample results show that the better zones of copper mineralization range between 0.2% and 0.5% copper with low gold and anomalous cobalt values (Figure 7). High grade pods of chalcopyrite mineralization, which are not volumetrically significant, were not included in the chip samples. The grab samples illustrate the high grades of cobalt, copper and gold attained in narrow veins. Some of the highest results from grab samples include 21.4% copper, 6.6% cobalt, 8860 ppm nickel and 2820 ppb gold. Metal correlations are complex between copper, cobalt and gold and in most instances, gold is associated with either cobalt or copper. The reason for the inconsistent relationships is likely a reflection of complex and multiple vein generations and styles.

9.0 SOIL GEOCHEMISTRY - PORPHYRY SHOWING (Figure 8)

The soil geochemical grid work was designed to test the response in soils of copper mineralization in the Porphyry showing area. A survey conducted in 1968 indicated that >100 ppm copper values coincided with the Porphyry showing

(Archer, 1968). Samples were collected at 50 metre intervals along grid lines spaced 100 metres apart. The baseline (5000E) was offset 25 metres east at 5250N to avoid steep cliffs. The 5000N line lies near the upper level of the valley till cover. Statistical analysis of the soil results was not undertaken although values for copper >100 ppm and >400 ppm are contoured and are considered significant (Figure 8).

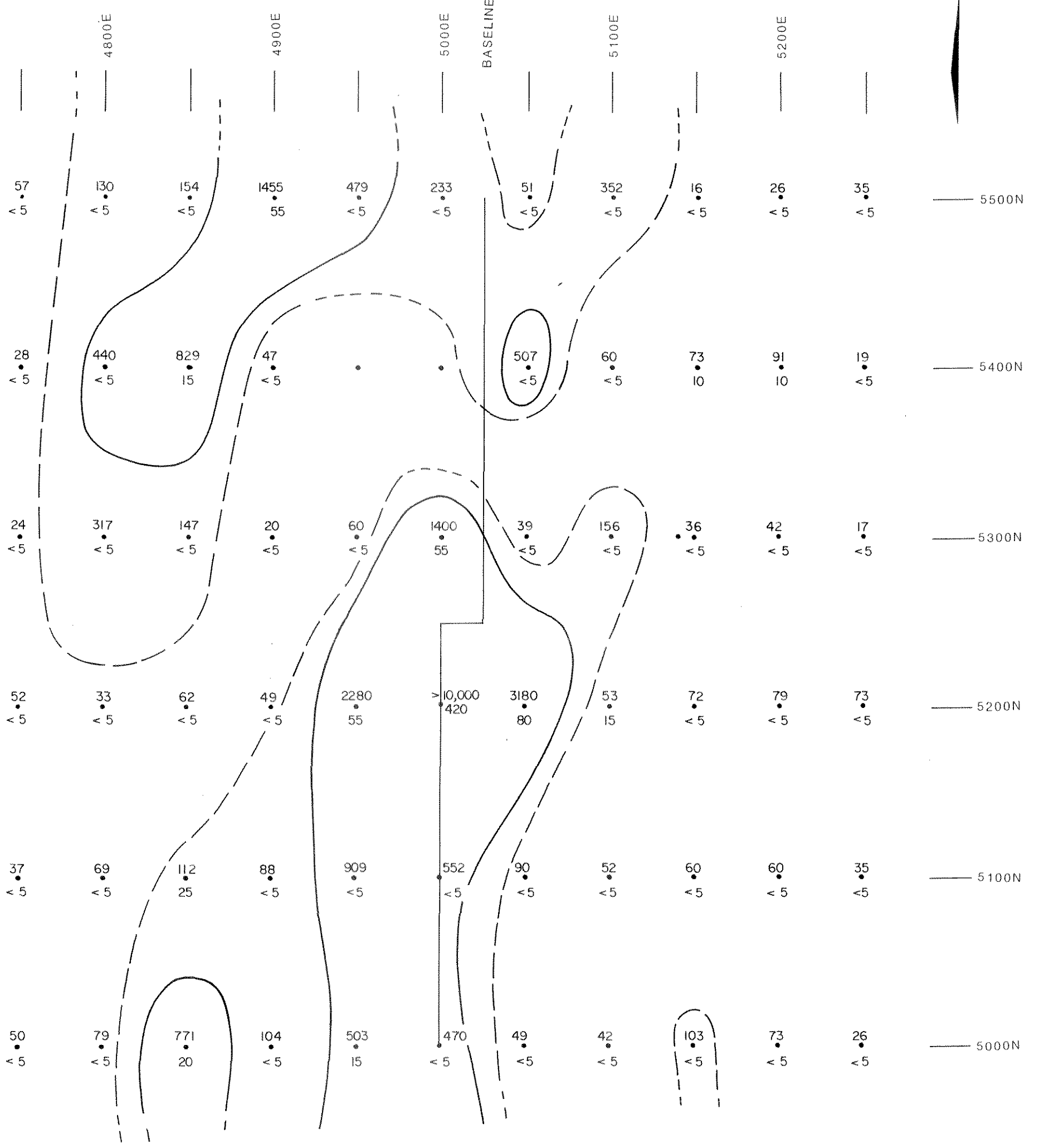
The 1993 copper soil geochemistry clearly outlines the extent of the copper mineralization in the monzonite-diorite. The strongest portion of the anomaly overlies the two areas of mineralized exposures centred at 5200N, 5000E and 5000N, 4850E and remain open to the south. Gold values in these areas, except for a 420 ppb result at 5200N, 5000E, are only slightly elevated, reflecting the low gold content of rock samples taken in the area.

The high copper values east of the baseline on the north end of the grid reflect dispersion from the chalcopyrite-bearing diorite at 5500N, 5125E. Similarly, the elevated copper values in the northwest corner of the grid lie downslope from a monzonite outcrop. To date, mineralization sampled from this outcrop is not sufficient to account for this anomaly.

Lead and zinc values are low overall. Elevated cobalt and molybdenum values accompany the highest copper in soils.

10.0 CONCLUSIONS AND RECOMMENDATIONS

The Dolores property was staked to explore for Olympic Dam copper-uranium-gold-silver type deposits in the Wernecke Mountains of east central Yukon. This



LEGEND

- 20 Cu ppm
- Soil Sample Location
- 5 Au ppb

- > 100 ppm Cu
- > 400 ppm Cu



INTERNATIONAL PRISM EXPLORATION LTD.		
DOLORES PROJECT		
DOLORES 1 - 48 CLAIMS		
PORPHYRY PROSPECT		
MAYO MINING DISTRICT, YUKON TERRITORY		
Cu, Au IN SOILS		
PAMICON DEVELOPMENTS LTD./		
EQUITY ENGINEERING LTD.		
DRAWN:	MINING DIST: MAYO	FIGURE:
N.T.S. 106C/14	SCALE: 1:2500	8
DATE: JANUARY, 1994	REVISED:	

target type, which has the potential to host tremendous resources on a world scale, represents a relatively unexplored target in the Canadian Cordillera. South Australia's Olympic Dam deposit contains an inferred resource in excess of 2,000 million tonnes of 1.6% copper, 0.06% uranium oxide, 0.6 g/tonne gold and 3.5 g/tonne silver. The Wernecke Proterozoic stratigraphy and metallogeny resembles that of South Australia to the extent that a physical connection to Cambrian time has been proposed by Bell and Jefferson (1987).

The mineralization and geological setting at Dolores Creek is permissive for discovering an Olympic Dam type target or a variant thereof. Other deposits of this type include the southeast Missouri Iron Province - U.S.A., Kiruna District - Sweden, Okiep Copper District - South Africa, Redbank - Australia and Great Bear magmatic zone - Northwest Territories, Canada (Hitzman et al., 1992); (Lombaard and Schreuder, 1975).

Among the numerous copper showings found to date, two areas on the Dolores property exhibit the potential for hosting bulk tonnage copper \pm cobalt \pm gold deposits: (1) Cobalt Cirque and (2) Porphyry Showing.

The Porphyry showing represents both the most explored and perhaps most significant copper mineralization found to date. The showing consists of a complex array of hematite breccia and copper-bearing monzonite/diorite intrusives trending along a northerly direction for at least 200 metres. The showing cores a large alteration system, roughly 6.0 by 4.0 kilometres, consisting of sodic (albite) alteration in the centre surrounded by potassic alteration (sericite) (Laznicka and Edwards, 1979). The tenor of copper mineralization in the

monzonite/diorite, as indicated by surface samples and drilling, is in the range of 0.2% to 1.0% copper. The best drill intercept from the 1969 drilling returned 0.75% copper over 22.9 metres. A soil geochemical survey over the Porphyry showing area was successful in outlining the mineralized monzonite/diorite and this technique plus magnetometer surveys will be extremely helpful in extending mineralization under areas of cover.


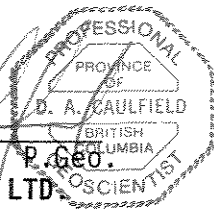
Mineralization at Cobalt Cirque is associated with late stage sericite and quartz-iron carbonate alteration. The timing of the alteration and mineralization appears to post-date intrusive activity and brecciation and may coincide with folding. This relative timing suggests Cobalt Cirque post-dates the Porphyry showing mineralization. It is suggested that the Cobalt Cirque mineralization may be genetically related to the same intrusive activity that produced the "Porphyry" mineralization, but that the Cobalt Cirque mineralization was a late stage structurally controlled, perhaps higher level, reflection of the same mineralizing system. The trend of the mineralization at Cobalt Cirque is controlled by the orientation of veins and alteration which grossly conform to the main antiform structure.

The grades of mineralization in Cobalt Cirque are high, but discontinuous and difficult to estimate. Chip samples provide a reasonable estimate of the bulk copper grades that might be expected. Some of the better results from sampling are in the range of 0.2% - 0.5% copper over widths of 2 metres. High grade samples from the upper slopes of the cirque confirm the impressive grades of copper, cobalt and gold, but do not allow for an estimate of the overall grade.

Further work on Cobalt Cirque will have to resolve some of the inherent sampling problems. To do this, better control, by way of grid establishment, will be needed for sampling. Sampling will include continuous chip sampling where accessible. Testing of the high grade mineralization high in the cirque wall will likely need to be tested by drilling.


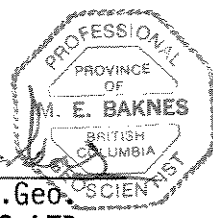
An exploration program consisting of ground geophysical, geochemical and geological surveys is recommended for the Porphyry showing and other selected areas of the Dolores property. This work should be followed by a six hole diamond drilling program at the Porphyry showing and one or two holes at Cobalt Cirque.

Respectfully submitted,



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APPENDIX A
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APPENDIX B
LIST OF PERSONNEL

DOLORES 1 - 48 CLAIMS GROUP

LIST OF PERSONNEL

Michael Stammers (Sr. Geologist)
#711 - 675 West Hastings Street
Vancouver, B.C. V6B 1N4

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

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

Barry Girling (Sr. Prospector)
#711 - 675 West Hastings Street
Vancouver, B.C. V6B 1N4

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

APPENDIX C
STATEMENT OF EXPENDITURES

**STATEMENT OF EXPENDITURES
DOLORES 1 - 48 MINERAL CLAIMS**

CANADA) In the matter of an evaluation program on the
) Dolores 1 - 48 Mineral Claims

I, Mike Stammers for Pamicon Developments Limited, #711 - 675 West Hastings Street, Vancouver, B.C. and Equity Engineering Ltd., #206 - 675 West Hastings Street, Vancouver, B.C. do solemnly declare that a program consisting of grid establishment, geological mapping, lithogeochemical sampling, soil geochemistry and prospecting work was carried out on the Dolores 1 - 48 Mineral Claims during the period June 30 to July 8, 1993.

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

PROFESSIONAL FEES AND WAGES:

M. Stammers, P.Geo.	8.5 days @ \$375	\$	3,187.50	
D. Caulfield, P.Geo.	5.5 days @ \$375		2,062.50	
M. Baknes, P.Geo.	6.5 days @ \$300		1,950.00	
T. Bell, Prospector	8.0 days @ \$250		2,000.00	
B. Girling, Prospector	9.0 days @ \$250		<u>2,250.00</u>	
				\$ 11,450.00

EXPENSES:

Maps & Reproductions		164.25	
Drafting		243.05	
Travel:	Airfare	132.50	
	Mob/Demob Costs	1,564.39	
Rentals:	Camp	995.34	
	Radio	157.40	
	Truck	619.69	
Camp Food		560.41	
Field Supplies		25.81	
Telephone		115.79	
Freight		24.30	
Fixed Wing		1,577.27	
Helicopter:	Direct	11,700.00	
	Fuel	2,637.59	
Assays		2,939.69	
Report Cost		3,240.65	
Recording Fees		1,113.39	
Management Fees		<u>3,623.06</u>	
			\$ 31,434.58
SUBTOTAL			42,884.58
			GST <u>3,001.92</u>
TOTAL PROGRAM COST:			<u><u>\$ 45,886.50</u></u>

Statement of Expenditures
Dolores 1 - 48 Mineral Claims

Notes:

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

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

Declared at Vancouver in the
Province of British Columbia this

24 day of FEBRUARY, 1994





APPENDIX D
ROCK SAMPLE DESCRIPTIONS

MINERALS AND ALTERATION TYPES

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

ALTERATION INTENSITIES

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

Property : DOLORES

NTS : 106C/14

Date : FEBRUARY 23, 1994

Sample No.	UTM :	7202 760 N	Type :	Select	Alteration :	wCB, sQZ	Au	Ag	Co	Cu	Mo	Ni
		580 080 E	Strike Length Exp. :	1 m	Metallics :	10%CP, 5%PY	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
545551	Elevation:	1705 m	Sample Width :	25 cm	Secondaries:	None	235.	1.0	40.	2.74%	5.	36.
	Veining :	/	True Width :	25 cm	Host :	Fairchild phyllite						

Comments : Brown-black weathering, quartz vein fracture in Fairchild phyllite on ridge 50m west of 9-12 post set. (Posts significantly off line)

Sample No.	UTM :	7202 890 N	Type :	Select	Alteration :	sCB, mQZ	Au	Ag	Co	Cu	Mo	Ni
		581 240 E	Strike Length Exp. :	10+ m	Metallics :	70%CP	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
545552	Elevation:	1890 m	Sample Width :	5 cm	Secondaries:	WAZ, wMC	2820.	19.0	546.	21.4%	20.	849.
	Veining :	/	True Width :	5 cm	Host :	Fairchild phyllite						

Comments : Massive zone in shear perpendicular to bedding disseminated over 3+ metres.

Sample No.	UTM :	7202 820 N	Type :	Select	Alteration :	5%CB	Au	Ag	Co	Cu	Mo	Ni
		581 220 E	Strike Length Exp. :	10+ m	Metallics :	90%CP	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
545553	Elevation:	1920 m	Sample Width :	20 cm	Secondaries:	WAZ, wMC	540.	14.0	50.	29.8%	12.	295.
	Veining :	/	True Width :	20 cm	Host :	Fairchild phyllite						

Comments : Another massive zone parallel to 545551, perpendicular to stratigraphy. Lots of copper in area.

Sample No.	UTM :	7202 995 N	Type :	Select	Alteration :	mCB, mQZ, mSI	Au	Ag	Co	Cu	Mo	Ni
		581 300 E	Strike Length Exp. :	15 m	Metallics :	<1%CP, <1%CO	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
545554	Elevation:	1940 m	Sample Width :	20 cm	Secondaries:	wMC, sER	430.	1.0	3.03%	5100.	26.	1668.
	Orientation:	/	True Width :	20 cm	Host :							

Comments : Cobalt very fine-grained, cross cut chalcopyrite stringer. Rusty shear approximately 3m wide with chalcopyrite margin outside cobalt. Alteration=silica. Fairchild green phyllite.

Sample No.	UTM :	7201 910 N	Type :	Select	Alteration :	None	Au	Ag	Co	Cu	Mo	Ni
		580 360 E	Strike Length Exp. :	50 m	Metallics :	1%CP	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
545555	Elevation:	1670 m	Sample Width :	15 cm	Secondaries:	wAZ, mMC	30.	1.0	89.	9607.	1.	46.
	Orientation:	/	True Width :	27 cm	Host :							

Comments : Shear in intrusive.

Sample No.	UTM :	7203 100 N	Type :	Grab	Alteration :	sCB	Au	Ag	Co	Cu	Mo	Ni
		581 050 E	Strike Length Exp. :	75 m	Metallics :	15-80%CP	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
545556	Elevation:	1800 m	Sample Width :	25 cm	Secondaries:	wMC	940.	13.0	166.	20.5%	11.	205.
	Veining :	/	True Width :	40-80 cm	Host :	Fairchild sediments						

Comments : Chalcopyrite - 3 chunks in sample 10%, 40% and 80%. Little malachite as overprinted by carbonate. Mapped by Dave and Mark.

Property : DOLORES

NTS : 106C/14

Date : FEBRUARY 23, 1994

Sample No.	UTM :	7203 010 N	Type :	Select	Alteration :	sCB	Au	Ag	Co	Cu	Mo	Ni
		581 090 E	Strike Length Exp. :	7 m	Metallics :	25%CO	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
545557	Elevation:	1860 m	Sample Width :	7 cm	Secondaries:	mER*	870.	1.0	3.60%	274.	13.	7042.
	Veining :	/	True Width :	7 cm	Host :	Quartet sediment						

Comments : *No ER on weathered surface, only when broken. Narrow veining, but multiple veins in area carrying disseminated ER into wall rock.

Sample No.	UTM :	7203 000 N	Type :	Select	Alteration :	mCB	Au	Ag	Co	Cu	Mo	Ni
		581 060 E	Strike Length Exp. :	m	Metallics :	15%CO	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
545558	Elevation:	1870 m	Sample Width :	7.5 cm	Secondaries:	mER	2400.	<0.5	6.60%	1351.	13.	8666.
	Orientation:	/	True Width :	7.5 cm	Host :	Fairchild sediment						

Comments : Veinlets of cobalt along margins of calcite vein, disseminations of cobalt and erythrite over 2m. Higher grade core to 15cm. Not directly in calcite veins like 545557, but 20m south. Possibly same structure.

Sample No.	UTM :	7203 010 N	Type :	Select	Alteration :	sCB	Au	Ag	Co	Cu	Mo	Ni
		581 130 E	Strike Length Exp. :	5 m	Metallics :	1%CP, 3%CO	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
545559	Elevation:	1890 m	Sample Width :	25 cm	Secondaries:	mER	600.	3.0	8663.	1.25%	31.	1795.
	Veining :	/	True Width :	25+ cm	Host :	Fairchild sediment						

Comments : Quartz carbonate vein in carbonate alteration. Chalcopyrite and cobalt in middle of draw above 545557.

Sample No.	UTM :	7203 010 N	Type :		Alteration :	None	Au	Ag	Co	Cu	Mo	Ni
		581 130 E	Strike Length Exp. :	m	Metallics :	None	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
545560	Elevation:		Sample Width :	m	Secondaries:	None	990.	4.0	3.05%	1.60%	43.	5103.
	Orientation:	/	True Width :	m	Host :							

Comments : Highgrade of 545559 vein, 10m wide.

Sample No.	UTM :	7203 060 N	Type :	Select	Alteration :	sCB	Au	Ag	Co	Cu	Mo	Ni
		581 140 E	Strike Length Exp. :	30 m	Metallics :	80%CP	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
545561	Elevation:	1920 m	Sample Width :	10 cm	Secondaries:	None	1770.	21.0	1240.	20.1%	19.	1131.
	Veining :	/	True Width :	m	Host :	Quartet? sediment						

Comments : Massive chalcopyrite, >1% alteration/vein. Minor cobalt/erythrite in area. Not sampled.

Sample No.	UTM :	7203 090 N	Type :	Select	Alteration :	sCB, mSI	Au	Ag	Co	Cu	Mo	Ni
		581 640 E	Strike Length Exp. :	10 m	Metallics :	6-8%CP, 4%PY	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
545562	Elevation:	1820 m	Sample Width :	15 cm	Secondaries:	sMC	815.	5.0	214.	8.0%	93.	77.
	Orientation:	/	True Width :	2-3+ m	Host :	Fairchild						

Comments : Fairly wide, but apparently discontinuous zone. Most of sulphide leached out, with slumping in gulley - hard to tell true width. Majority of material in area lower grade; carbonate fragments in mineralization, approximately 1/4" locally to 1".

Property : DOLORES

NTS : 106C/14

Date : FEBRUARY 23, 1994

Sample No. UTM : 7203 140 N Type : Alteration : sCB, mSI Au Ag Co Cu Mo Ni
 581 660 E Strike Length Exp. : 5 m Metallics : 2%CP, <1%PY (ppb) (ppm) (ppm) (ppm) (ppm) (ppm)
 545563 Elevation: 184 m Sample Width : 15-20 cm Secondaries: wMC 40. <0.5 124. 0.63% 37. 48.
 Orientation: / True Width : >1? m Host : Fairchild green phyllitic sediment

Comments : 75m north of 545562. Fairchild/Quartet contact, cobalt alteration stronger below chalcopyrite stringers (micro) along fractured disseminations - small blebs.

Sample No. UTM : 7203 590 N Type : Select Alteration : mCB, wSI Au Ag Co Cu Mo Ni
 580 370 E Strike Length Exp. : 3 m Metallics : 1-2%BO, 2-3%CP (ppb) (ppm) (ppm) (ppm) (ppm) (ppm)
 545564 Elevation: 1780 m Sample Width : 20 cm Secondaries: mAZ, mMC 110. 119.0 17. 7.14% 6. 40.
 Veining : / True Width : 20? cm Host : Dolomite

Comments : Generally fracture filling, almost to crackle breccia. Parallels Fairchild shale contact. Fairchild narrow adjacent diorite? blebs and chunks sporadically through massive dolomite and more massive along calcite veinlets.

Sample No. UTM : 7203 560 N Type : Select Alteration : mCB, mSI Au Ag Co Cu Mo Ni
 580 430 E Strike Length Exp. : m Metallics : 1-2%CP, 1%PY (ppb) (ppm) (ppm) (ppm) (ppm) (ppm)
 545565 Elevation: 1780 m Sample Width : 25 cm Secondaries: sMC 35. 6.0 4. 2.35% 21. 21.
 Orientation: 14 / 56 W True Width : 25+ cm Host : Dolomite

Comments : Very fine-grained disseminations of chalcopyrite in bedding, approximately 25cm thick pseudo parallel to 545564.

Sample No. UTM : 7203 560 N Type : Select Alteration : mCB Au Ag Co Cu Mo Ni
 580 360 E Strike Length Exp. : m Metallics : 1%BO (ppb) (ppm) (ppm) (ppm) (ppm) (ppm)
 545566 Elevation: 1870 m Sample Width : 15 cm Secondaries: wMC 40. 118.0 24. 3.33% 194. 21.
 Orientation: / True Width : .5 m Host : Dolomite

Comments : Blebs - wisps of bornite along fractures. Secondaries only on fresh surfaces. Mineralization discontinuous and erratic.

Sample No. UTM : 7203 000 N Type : Chip Alteration : sCB Au Ag Co Cu Mo Ni
 581 090 E Strike Length Exp. : 25 m Metallics : <1%CP, <1%CO (ppb) (ppm) (ppm) (ppm) (ppm) (ppm)
 545568 Elevation: 1870 m Sample Width : 2 m Secondaries: wER, wMC 290. 5.0 4393. 1.16% 32. 480.
 Orientation: / True Width : 2 m Host : Fairchild sediment

Comments : Zone could be wider, but covered by overburden. Higher grade material in area not reflected in sample. Below 545560.

Sample No. Grid Co-or. 55+00N Type : Grab Alteration : wCA, mCL, mKF Au Ag Co Cu Mo Ni
 51+30E Strike Length Exp. : 10 m Metallics : trCP, <1%PY (ppb) (ppm) (ppm) (ppm) (ppm) (ppm)
 545651 Elevation: 4700 ft Sample Width : 2.0 m Secondaries: wMC 10. 1.0 49. 320. 2. 57.
 Dyke : 170 / ? True Width : 2.0 m Host : Diorite/gabbro

Comments : Chalcopyrite occurs as finely disseminated grains, occasional splash in carbonate vein.

Property : DOLORES

NTS : 106C/14

Date : FEBRUARY 23, 1994

Sample No.	Grid Co-or.	53 +20N 52 +10E	Type :	Float	Alteration :	sCB, sCL, sKF	Au	Ag	Co	Cu	Mo	Ni
545652	Elevation:	4600 ft	Strike Length Exp. :	m	Metallics :	<1%CP, <5%HS	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
	Orientation:	/	Sample Width :	m	Secondaries:	trAZ, wJA, mMC	35.	1.0	13.	8484.	30.	20.
			True Width :	m	Host :	Heterolithic hematitic breccia						

Comments : Several 1/2 metre blocks clustered in talus. Composite sample from several blocks.

Sample No.	Grid Co-or.	52 +50N 50 +00E	Type :	Grab	Alteration :	sCB, sCL, sKF	Au	Ag	Co	Cu	Mo	Ni
545653	Elevation:	4425 ft	Strike Length Exp. :	1.0 m	Metallics :	2%CP	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
	Orientation:	/	Sample Width :	20 cm	Secondaries:	sMC	40.	2.0	28.	4249.	15.	24.
			True Width :	20 cm	Host :	Metasomatized siltstone						

Comments : Small pod of potassium feldspar altered siltstone with blebby chalcopyrite disseminations and chlorite/Fe-carbonate veinlets.

Sample No.	UTM :	7203 360 N 580 885 E	Type :	Chip	Alteration :	sCB, wKF, sMS, sQZ	Au	Ag	Co	Cu	Mo	Ni
545654	Elevation:	5750 ft	Strike Length Exp. :	>50 m	Metallics :	trCP, 1%PY	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
	Bedding :	040 / 55 N	Sample Width :	10 m	Secondaries:	trMC	<5.	1.0	35.	100.	<1.	23.
			True Width :	8 m	Host :	Light green slate (phyllitic siltstone)						

Comments : Representative sample of outcrop of quartz-carbonate stockwork. Larger veins parallel to foliation with veinlets cross-cutting. Chalcopyrite in late vuggy quartz-carbonate vein.

Sample No.	UTM :	7203 306 N 580 934 E	Type :	Chip	Alteration :	wCB, sMS, wQZ	Au	Ag	Co	Cu	Mo	Ni
545655	Elevation:	5800 ft	Strike Length Exp. :	7 m	Metallics :	trCP, trPY	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
	Bedding :	015 / 46 W	Sample Width :	.9 m	Secondaries:	wMC	<5.	1.0	103.	178.	1.	56.
			True Width :	.9 m	Host :	Light green slate (phyllitic siltstone)						

Comments : Less altered than 545654. Seems to be more malachite than chalcopyrite.

Sample No.	UTM :	7203 282 N 580 922 E	Type :	Chip	Alteration :	sCB, mMS, mQZ	Au	Ag	Co	Cu	Mo	Ni
545656	Elevation:	5800 ft	Strike Length Exp. :	>50 m	Metallics :	1%CP	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
	Bedding :	030 / 45 NW	Sample Width :	1.6 m	Secondaries:	trER, wHE, mMC	90.	2.0	64.	3675.	2.	34.
			True Width :	1.6 m	Host :	Light grey to green slate (phyllitic siltstone)						

Comments : Sample taken across best mineralization in area. Best mineralization parallel to foliation.

Sample No.	UTM :	7203 042 N 581 006 E	Type :	Chip	Alteration :	sCB, mMS	Au	Ag	Co	Cu	Mo	Ni
545657	Elevation:	5950 ft	Strike Length Exp. :	5.0 m	Metallics :	1%CP	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
	Bedding :	070 / 60 SE	Sample Width :	2.1 m	Secondaries:	wGE, mMC	30.	2.0	18.	4634.	6.	32.
			True Width :	2.1 m	Host :	Light green phyllitic siltstone						

Comments : Chip across foliation with disseminated and poddy chalcopyrite mineralization. High grade 20cm pod of chalcopyrite not included.

Property : DOLORES

NTS : 106C/14

Date : FEBRUARY 23, 1994

Sample No.	UTM :	7203 224 N	Type :	Chip	Alteration :	sCB, sMS, wQZ	Au	Ag	Co	Cu	Mo	Ni
		580 960 E	Strike Length Exp. :	>50 m	Metallics :	1%CP, <1%PY	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
545658	Elevation:	5800 ft	Sample Width :	7.0 m	Secondaries:	wGE, trHE, wJA, wMC, mMN	<5.	<0.5	115.	848.	11.	34.
	Orientation:	036 / 60 ?	True Width :	5.0 m	Host :	Light green phyllitic siltstone						

Comments : Fe-carbonate zone with manganese? wad on outcrop surface. Best copper mineralization hosted in most intense carbonate altered sections.

Sample No.	UTM :	7203 010 N	Type :		Alteration :	sCB, vsQZ	Au	Ag	Co	Cu	Mo	Ni
		581 018 E	Strike Length Exp. :	2.0 m	Metallics :	<1%CP, CO?	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
545659	Elevation:	6000 ft	Sample Width :	1.0 m	Secondaries:	mER, wMC	30.	<0.5	3320.	2082.	3.	787.
	Vein :	005 / 80 W	True Width :	20 cm	Host :	Grey to black phyllite						

Comments : Irregular quartz-carbonate vein cross-cutting foliation.

Sample No.	UTM :	7203 012 N	Type :	Chip	Alteration :	mCB, sMS, wQZ	Au	Ag	Co	Cu	Mo	Ni
		580 997 E	Strike Length Exp. :	70 m	Metallics :	1%CP, trPY	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
545660	Elevation:	5975 ft	Sample Width :	3.0 m	Secondaries:	mER, mMC	40.	2.0	384.	2486.	1.	71.
	Bedding :	130 / 45 SW	True Width :	3.0 m	Host :	Light green phyllitic siltstone						

Comments : Finely disseminated chalcopyrite occurs along foliation and in cross-cutting tension gashes.

Sample No.	UTM :	7203 012 N	Type :	Chip	Alteration :	sCB, mMS, sQZ	Au	Ag	Co	Cu	Mo	Ni
		580 995 E	Strike Length Exp. :	70 m	Metallics :	2%CP, <1%PY	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
545661	Elevation:	5975 ft	Sample Width :	1.0 m	Secondaries:	trER, trMC, wNE	200.	3.0	155.	1.51%	44.	161.
	Bedding :	130 / 45 SW	True Width :	1.0 m	Host :	Light green phyllitic siltstone						

Comments : Continuation of chip sample 545660 through higher grade chalcopyrite zone with strong quartz-carbonate alteration. Massive pods of chalcopyrite occur in this zone but were not sampled.

Sample No.	UTM :	7203 006 N	Type :	Grab	Alteration :	sCB, wCL, mMS, sQZ	Au	Ag	Co	Cu	Mo	Ni
		580 956 E	Strike Length Exp. :	15 m	Metallics :	1.5%CP, <1%PY	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
545662	Elevation:	5825 ft	Sample Width :	1.8 m	Secondaries:	None	65.	1.0	111.	5563.	4.	49.
	Bedding :	120 / 52 SW	True Width :	1.8 m	Host :	Light green phyllitic siltstone						

Comments : Zone of intense iron carbonate and silica alteration. No malachite on outcrop.

Sample No.	Grid Co-or.	52 +25N	Type :	Chip	Alteration :	wCL, sKF	Au	Ag	Co	Cu	Mo	Ni
		50 +02E	Strike Length Exp. :	25 m	Metallics :	1%CP, 5%MG	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
545668	Elevation:	4250 ft	Sample Width :	10 m	Secondaries:	wMC	65.	2.0	48.	2641.	6.	7.
	Orientation:	/	True Width :	10 m	Host :	Monzonite-diorite						

Comments :

Property : DOLORES

NTS : 106C/14

Date : FEBRUARY 23, 1994

Sample No.	Grid Co-or.	52 +25N 49 +97E	Type : Chip	Alteration :	wCL, sKF	Au	Ag	Co	Cu	Mo	Ni
545669	Elevation:	4260 ft	Strike Length Exp. : 25 m	Metallics :	2%CP, 5%MG, trPY	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
	Orientation:	/	Sample Width : 10 m	Secondaries:	mMC	50.	3.0	50.	6065.	23.	15.
			True Width : 10 m	Host :	Monzonite-diorite						

Comments :

Sample No.	Grid Co-or.	52 +25N 49 +60E	Type : Chip	Alteration :	wCL, sKF	Au	Ag	Co	Cu	Mo	Ni
545670	Elevation:	4350 ft	Strike Length Exp. : 5.0 m	Metallics :	1%HS, trPY	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
	Orientation:	/	Sample Width : 9.3 m	Secondaries:	None	<0.5.	1.0	33.	56.	2.	37.
			True Width : 9.3 m	Host :	Siltstone						

Comments : Chip sample of wallrock east of intrusive near to the contact.

Sample No.	Grid Co-or.	52 +00N 49 +95E	Type : Grab	Alteration :	wCL, mKF	Au	Ag	Co	Cu	Mo	Ni
545671	Elevation:	4250 ft	Strike Length Exp. : 20 m	Metallics :	1%CP, 5%MG, 1%PY	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
	Orientation:	/	Sample Width : 25 m	Secondaries:	wMC	35.	3.0	67.	2178.	6.	11.
			True Width : 25 m	Host :	Monzonite-diorite						

Comments :

Sample No.	Grid Co-or.	52 +00N 50 +00E	Type : Chip	Alteration :	mCL, sKF	Au	Ag	Co	Cu	Mo	Ni
545672	Elevation:	4225 ft	Strike Length Exp. : 25 m	Metallics :	<1%CP, 3%MG, <1%PY	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
	Orientation:	/	Sample Width : 23 m	Secondaries:	wJA, trMC	10.	3.0	56.	1884.	8.	10.
			True Width : 23 m	Host :	Monzonite-diorite						

Comments :

Sample No.	Grid Co-or.	50 +15N 49 +00E	Type : Chip	Alteration :	mCL, mKF	Au	Ag	Co	Cu	Mo	Ni
545673	Elevation:	3750 ft	Strike Length Exp. : 25 m	Metallics :	<1%CP, 5%MG, trPY	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
	Orientation:	/	Sample Width : 9.0 m	Secondaries:	mMC	20.	4.0	55.	2064.	7.	9.
			True Width : 9.0 m	Host :	Monzonite-diorite						

Comments : Sample taken from end of lower drill road.

Sample No.	Grid Co-or.	50 +20N 48 +75E	Type : Chip	Alteration :	sKF	Au	Ag	Co	Cu	Mo	Ni
545674	Elevation:	3750 ft	Strike Length Exp. : 25 m	Metallics :	1%CP, 5%MG, trPY	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
	Orientation:	/	Sample Width : 24 m	Secondaries:	wMC	25.	1.0	57.	3029.	18.	11.
			True Width : 24 m	Host :	Monzonite-diorite						

Comments : Located at end of lower drill road west of 545674.

Property : DOLORES

NTS : 106C/14

Date : FEBRUARY 23, 1994

Sample No.	Grid Co-ord.	50 +40N 48 +12E	Type : Grab	Alteration : None	Au	Ag	Co	Cu	Mo	Ni
545951	Elevation:	1200 m	Strike Length Exp. : 12 m	Metallics : 0.5%CP, 0.5%HS, 3%PY	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
	Orientation:	/	Sample Width : m	Secondaries: None	<5.	<0.5.	89.	923.	3.	10.
			True Width : m	Host : Diorite						

Comments : Fresh diorite with 2-3% disseminated blebs of pyrite with minor intergrown chalcopyrite. Extension of outcrop on 5000N to the east.

Sample No.	UTM :	7202 912 N 580 884 E	Type : Chip	Alteration : sCB, wQZ	Au	Ag	Co	Cu	Mo	Ni
545954	Elevation:	1810 m	Strike Length Exp. : 5.0 m	Metallics : 0.7%CP, 1%PY, 0.5%CO	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
	Vein :	162 / 46 W	Sample Width : 80 cm	Secondaries: wGB	<5.	1.0	391.	224.	1.	36.
			True Width : 80 cm	Host : Grey phyllite						

Comments : Local conformable Fe-carbonate veinlets. Minor chalcopyrite as blebs in Fe-carbonate and fine disseminations in phyllite. Cobaltite fine-grained association with pyrite.

Sample No.	UTM :	7202 952 N 580 812 E	Type : Chip	Alteration : sCB, wCL, sMS, mQZ	Au	Ag	Co	Cu	Mo	Ni
545955	Elevation:	1740 m	Strike Length Exp. : 30 m	Metallics : 0.5%CP, 0.5%CO	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
	Bedding :	173 / 49 W	Sample Width : 4.5 m	Secondaries: wMN, mCO	35.	1.0	1354.	196.	14.	113.
			True Width : 4.5 m	Host : Grey + greenish phyllite						

Comments : Fe-carbonate >20% by volume as pods and foliation parallel lenses (replacement) and as semi-continuous quartz-carbonate veins. Chalcopyrite as blebs and local massive pods. Cobalt with pyrite and in carbonate veins.

Sample No.	UTM :	7202 955 N 580 803 E	Type : Chip	Alteration : sCB, wMS, wQZ	Au	Ag	Co	Cu	Mo	Ni
545956	Elevation:	1735 m	Strike Length Exp. : .30 m	Metallics : 2%CP, 0.1%PY, 0.1%CO	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
	Vein :	022 / 37	Sample Width : 2.0 m	Secondaries: None	45.	1.0	109.	4998.	14.	59.
			True Width : 2.0 m	Host : Green-grey phyllite						

Comments : Continuation of zone sampled in 545955. Zone here is cobalt deficient and chalcopyrite dominant.

Sample No.	UTM :	7202 650 N 580 760 E	Type : Grab	Alteration : mCB, sKF, mQZ	Au	Ag	Co	Cu	Mo	Ni
545957	Elevation:	1870 m	Strike Length Exp. : .20 m	Metallics : 5%HS, 2%PY	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
	Orientation:	/	Sample Width : m	Secondaries: None	10.	<0.5	105.	104.	3.	49.
			True Width : m	Host : Heterolithic breccia						

Comments : Strong potassium feldspar altered fragments in hematitic matrix. Pyrite as disseminations and crystals in matrix. May be intrusive fragments.

Sample No.	UTM :	7201 790 N 580 540 E	Type : Grab	Alteration : sCL, mKF	Au	Ag	Co	Cu	Mo	Ni
545958	Elevation:	1705 m	Strike Length Exp. : 15 m	Metallics : 0.5%CP, 1%HS	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
	Orientation:	/	Sample Width : m	Secondaries: wHE	30.	<0.5.	39.	1194.	3.	81.
			True Width : m	Host : Dark green chlorite altered diorite						

Comments : Sheared diorite or altered argillite. Traces of disseminated and fracture controlled chalcopyrite.

Property : DOLORES

NTS : 106C/14

Date : FEBRUARY 23, 1994

Sample No.	UTM :	7201 500 N	Type :	Grab	Alteration :	wCL	Au	Ag	Co	Cu	Mo	Ni
		580 500 E	Strike Length Exp. :	m	Metallics :	0.1%CP, 1%HS, 2%MG, 2%PY	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
545959	Elevation:		Sample Width :	m	Secondaries:	None	<5.	1.0	21.	27.	2.	3.
	Orientation:	/	True Width :	m	Host :	Diorite - metadiorite						

Comments : Dark, >20% mafics, green and pinkish. Medium grained - similar to composition of intrusives at porphyry showing. Very rare chalcopyrite on fractures.

Sample No.	UTM :	7200 600 N	Type :	Grab	Alteration :	wCB, sKF, mSI	Au	Ag	Co	Cu	Mo	Ni
		579 800 E	Strike Length Exp. :	15 m	Metallics :	0.1%CP, 3%HS, 1%PY	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
545960	Elevation:		Sample Width :	m	Secondaries:	None	<5.	1.0	8.	193.	<1.	33.
	Orientation:	/	True Width :	m	Host :	Brown weathering calcareous siltstone						

Comments : Strong potassium feldspar altered sediments and local potassium feldspar altered heterolithic breccia. Hematite 3-5% fine disseminations, strong pink coloration similar to alteration at the porphyry showing.

Sample No.	UTM :	7202 700 N	Type :		Alteration :	mCB, SMS, mSI	Au	Ag	Co	Cu	Mo	Ni
		581 000 E	Strike Length Exp. :	m	Metallics :	1%CP	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
546051	Elevation:	1960 m	Sample Width :	m	Secondaries:	wER, mMC	25.	1.0	389.	2447.	4.	57.
	Orientation:	/	True Width :	m	Host :	Fairchild transition shale						

Comments : Irregular zone marginal to cobalt cirque deposit.

Sample No.	UTM :	7201 560 N	Type :	Grab	Alteration :	wCB, mCL, sKF, mMS	Au	Ag	Co	Cu	Mo	Ni
		581 020 E	Strike Length Exp. :	m	Metallics :	1%HS	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
546052	Elevation:	1622 m	Sample Width :	m	Secondaries:	None	<5.	<0.5	8.	27.	1.	24.
	Orientation:	/	True Width :	m	Host :	Heterolithic breccia						

Comments : No copper mineralization visible.

Sample No.	UTM :	7201 290 N	Type :	Grab	Alteration :	mCB, wCL, mKF, wMS	Au	Ag	Co	Cu	Mo	Ni
		581 060 E	Strike Length Exp. :	m	Metallics :	trHS	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
546053	Elevation:	1522 m	Sample Width :	m	Secondaries:	wGE	<5.	1.0	5.	18.	<1.	27.
	Orientation:	/	True Width :	m	Host :	Homolithic breccia/metasomatite						

Comments : No visible copper through whole section of breccia.

Sample No.	UTM :	7201 250 N	Type :	Float	Alteration :	sCB, sLI	Au	Ag	Co	Cu	Mo	Ni
		581 280 E	Strike Length Exp. :	m	Metallics :	None	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
546054	Elevation:	1375 m	Sample Width :	m	Secondaries:	mGE, sLI	<5.	1.0	18.	24.	1.	48.
	Orientation:	/	True Width :	m	Host :	Limonitic heterolithic breccia						

Comments : Sample collected in an O80 trending zone 20m wide by 100+ m long.

Property : DOLORES

NTS : 106C/14

Date : FEBRUARY 23, 1994

Sample No.	UTM :	7200 920 N	Type :	Chip	Alteration :	CB, QZ	Au	Ag	Co	Cu	Mo	Ni
		581 520 E		Strike Length Exp. :		Metallics :	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
546055	Elevation:	1181 m		Sample Width :	2.8 m	Secondaries:	15.	10.0	10.	6.91%	56.	31.
	Orientation:	/		True Width :	3.0 m	Host :	Dolomite Gillespie					

Comments : Rough chip across zone - high grade nuggets pulled out.

Sample No.	UTM :	7200 920 N	Type :	Select	Alteration :	mCB, mQZ, sLI	Au	Ag	Co	Cu	Mo	Ni
		581 520 E		Strike Length Exp. :	<1 m	Metallics :	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
546056	Elevation:	1181 m		Sample Width :	m	Secondaries:	40.	36.0	26.	32.4%	230.	31.
	Vein :	090 / 80 S		True Width :	m	Host :	Dolomite Gillespie					

Comments : Irregular zone average 3m wide - poddy chalcopyrite associated with 090 shear.

Sample No.	UTM :	7202 340 N	Type :	Grab	Alteration :	wCB, mCL	Au	Ag	Co	Cu	Mo	Ni
		581 560 E		Strike Length Exp. :	m	Metallics :	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
546057	Elevation:	1610 m		Sample Width :	m	Secondaries:	<5.	<0.5.	3.	2100.	2.	31.
	Orientation:	/		True Width :	m	Host :	Heterolithic breccia					

Comments :

Sample No.	UTM :	7202 400 N	Type :	Grab	Alteration :	sCB, mSI	Au	Ag	Co	Cu	Mo	Ni
		581 550 E		Strike Length Exp. :	m	Metallics :	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
546058	Elevation:			Sample Width :	m	Secondaries:	<5.	<0.5.	4.	886.	3.	17.
	Orientation:	/		True Width :	m	Host :	Heterolithic breccia					

Comments : 100 metres north of 546057.

Sample No.	UTM :	7203 620 N	Type :	Float	Alteration :	sCB, sMS	Au	Ag	Co	Cu	Mo	Ni
		581 375 E		Strike Length Exp. :	m	Metallics :	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
546059	Elevation:	1755 m		Sample Width :	m	Secondaries:	90.	1.0	301.	5154.	11.	69.
	Orientation:	/		True Width :	m	Host :	Carbonate metasediments?					

Comments : Several tens of mineralized boulders on talus slope.

Sample No.	UTM :	7202 140 N	Type :	Grab	Alteration :	mCB, mCL, mKF, mSI	Au	Ag	Co	Cu	Mo	Ni
		582 610 E		Strike Length Exp. :	m	Metallics :	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
546060	Elevation:	1908 m		Sample Width :	m	Secondaries:	5.	1.0	10.	78.	2.	40.
	Orientation:	/		True Width :	m	Host :						

Comments :

Property : DOLORES

NTS : 106C/14

Date : FEBRUARY 23, 1994

Sample No.	UTM :	7201 740 N	Type :	Grab	Alteration :	wCB, mCL, mKF, mMS	Au	Ag	Co	Cu	Mo	Ni
		582 000 E	Strike Length Exp. :	m	Metallics :	2%HS	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
546061	Elevation:	1689 m	Sample Width :	m	Secondaries:	mHE	<5.	1.0	10.	32.	5.	30.
	Orientation:	/	True Width :	m	Host :	Heterolithic breccia						

Comments :

Sample No.	UTM :	7201 310 N	Type :	Grab	Alteration :	mCL, wKF	Au	Ag	Co	Cu	Mo	Ni
		581 610 E	Strike Length Exp. :	m	Metallics :	<1%CP, 4%MG, 1%PY	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
546062	Elevation:	1358 m	Sample Width :	m	Secondaries:	None	40.	1.0	54.	1403.	2.	51.
	Orientation:	/	True Width :	m	Host :	Gabbro dyke						

Comments :

Sample No.	UTM :	7203 460 N	Type :	Grab	Alteration :	mCB, wKF, wSI	Au	Ag	Co	Cu	Mo	Ni
		581 320 E	Strike Length Exp. :	m	Metallics :	3%HS	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
546063	Elevation:	1710 m	Sample Width :	m	Secondaries:	sHE	15.	<0.5	6.	62.	2.	31.
	Orientation:	/	True Width :	m	Host :	Heterolithic breccia						

Comments : No copper.

Sample No.	UTM :	7203 490 N	Type :	Chip	Alteration :	mCB, mSI	Au	Ag	Co	Cu	Mo	Ni
		581 270 E	Strike Length Exp. :	10 m	Metallics :	<1%CP	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
546064	Elevation:	1700 m	Sample Width :	1 m	Secondaries:	wAZ, wER, mMC, mMN	140.	1.0	140.	6144.	2.	86.
	Bedding :	140 / 40 NE	True Width :	1 m	Host :	Fairchild Group shale						

Comments : Quasi chip as face is hard to sample.

Sample No.	UTM :	7203 520 N	Type :	Chip	Alteration :	mCB, wKF, mMS	Au	Ag	Co	Cu	Mo	Ni
		581 250 E	Strike Length Exp. :	m	Metallics :	<1%CP, trPY	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
546065	Elevation:	1705 m	Sample Width :	2 m	Secondaries:	wAZ, mMC, wMN	40.	<0.5	655.	3378.	1.	93.
	Bedding :	142 / 40 NE	True Width :	2 m	Host :	Fairchild shale						

Comments : Located about 25-30m NW of 546064.

Sample No.	UTM :	7203 640 N	Type :	Grab	Alteration :	sCB, wKF, mSI	Au	Ag	Co	Cu	Mo	Ni
		581 180 E	Strike Length Exp. :	m	Metallics :	trCP, 1%HS, <1%PY	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
546066	Elevation:	1680 m	Sample Width :	m	Secondaries:	mHE	5.	<0.5	84.	108.	6.	70.
	Orientation:	/	True Width :	m	Host :	Heterolithic breccia						

Comments :

Property : DOLORES

NTS : 106C/14

Date : FEBRUARY 23, 1994

Sample No.	UTM :	7203 670 N	Type :	Select	Alteration :	wCB, sSI	Au	Ag	Co	Cu	Mo	Ni
		581 170 E	Strike Length Exp. :	m	Metallics :	4%PY	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
546067	Elevation:	1705 m	Sample Width :	m	Secondaries:	sLI	<5	1.0	137.	91.	7.	22.
	Orientation:	/	True Width :	m	Host :	Silicified sediments						

Comments : Could be a large clast in breccia.

Sample No.	UTM :	7203 780 N	Type :	Select	Alteration :	mCL, mKF, mMS	Au	Ag	Co	Cu	Mo	Ni
		581 290 E	Strike Length Exp. :	m	Metallics :	<1%CP, 1%HS, 4%MG	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
546068	Elevation:	1660 m	Sample Width :	m	Secondaries:	wMC	10.	1.0	44.	2106.	2.	31.
	Orientation:	/	True Width :	m	Host :	Gabbro						

Comments : Mineralized gabbro - chalcoprite and magnetite is finely disseminated.

Sample No.	UTM :	7202 640 N	Type :	Select	Alteration :	sCB, mQZ, sSI	Au	Ag	Co	Cu	Mo	Ni
		580 500 E	Strike Length Exp. :	10 m	Metallics :	5%CP	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
546069	Elevation:	1847 m	Sample Width :	m	Secondaries:	MC	310.	3.0	2.	4.06%	60.	35.
	Vein :	085 / 60 S	True Width :	m	Host :	Carbonate altered shales						

Comments : Old posts Y6728 No. 1 at site.

Sample No.	UTM :	7202 270 N	Type :	Select	Alteration :	mCB, sCL, mKF	Au	Ag	Co	Cu	Mo	Ni
		580 040 E	Strike Length Exp. :	? m	Metallics :	4%CP	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
546070	Elevation:	1532 m	Sample Width :	m	Secondaries:	mMC	560.	1.0	586.	1.07%	5.	71.
	Orientation:	/	True Width :	m	Host :	Sheared Gabbro/Breccia Complex						

Comments :

Sample No.	UTM :	7202 230 N	Type :	Float	Alteration :	sMS	Au	Ag	Co	Cu	Mo	Ni
		582 670 E	Strike Length Exp. :	25 m	Metallics :	2%CP, 4%HS	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
546151	Elevation:	6290 ft	Sample Width :	1.0 m	Secondaries:	mHE, sJA, mMC	330.	10.0	23.	9.80%	265.	49.
	Orientation:	140 /	True Width :	1.0 m	Host :	Dolomite						

Comments : Contact between dolomite and Fairchild breccia. Strong sericite altered dolomite.

Sample No.	UTM :	7202 240 N	Type :	Float	Alteration :	sMS	Au	Ag	Co	Cu	Mo	Ni
		582 810 E	Strike Length Exp. :	m	Metallics :	>1%CP, 7%HS	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
546152	Elevation:	6200 ft	Sample Width :	m	Secondaries:	None	85.	<0.5	14.	2200.	4.	34.
	Orientation:	/	True Width :	m	Host :	Specular hematite breccia						

Comments : Taken from subcrop in sidehill talus - moderate amount of material present.

Property : DOLORES

NTS : 106C/14

Date : FEBRUARY 23, 1994

Sample No.	UTM :	7202 260 N	Type :	Alteration :	sMS	Au	Ag	Co	Cu	Mo	Ni
		582 830 E	Strike Length Exp. :	Metallics :	>1%CP, 8%HS	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
546153	Elevation:	6200 ft	Sample Width :	Secondaries:	sJA, WMC	60.	1.0	30.	1.71%	8.	52.
	Orientation:	/	True Width :	Host :	Specular hematite breccia						

Comments : Taken from subcrop. 30m across slope from 546152, chalcopyrite in blebs and bands, spotty mineralization.

Sample No.	UTM :	7200 820 N	Type :	Alteration :	sCB, mMS	Au	Ag	Co	Cu	Mo	Ni
		583 350 E	Strike Length Exp. :	Metallics :	10%HS, >1%PY	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
546154	Elevation:	4100 ft	Sample Width :	Secondaries:	wJA	<5	1.0	<1	56.	1.	10.
	Orientation:	/	True Width :	Host :	Sediments/carbonate altered						

Comments : Quick grab as chopper was coming - no time for a good look. Might be old showing, old ribbon.

Sample No.	UTM :	7201 680 N	Type :	Alteration :	sCB	Au	Ag	Co	Cu	Mo	Ni
		582 470 E	Strike Length Exp. :	Metallics :	trPY, 3%TT	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
546155	Elevation:	5500 ft	Sample Width :	Secondaries:	sAZ, mCV, sMC	90.	200.0	17.	1.99%	2.	13.
	Orientation:	100 / ?	True Width :	Host :	Dolomite						

Comments :

Sample No.	UTM :	7203 950 N	Type :	Alteration :	sCB, sQZ	Au	Ag	Co	Cu	Mo	Ni
		581 920 E	Strike Length Exp. :	Metallics :	65%HS, 10%PY	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
546156	Elevation:	5725 ft	Sample Width :	Secondaries:	sHE	<5	1.0	64.	210.	7.	66.
	Orientation:	/	True Width :	Host :	Dolomite/quartz-carbonate flooded						

Comments : Taken from talus below cliff - large zone (10-15m) in cliff above.

Sample No.	UTM :	7203 999 N	Type :	Alteration :	sCB, sQZ	Au	Ag	Co	Cu	Mo	Ni
		581 890 E	Strike Length Exp. :	Metallics :	>1%CP, 80%HS, 5%PY	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
546157	Elevation:	5750 ft	Sample Width :	Secondaries:	sHE	10.	1.0	327.	3418.	8.	77.
	Orientation:	040 / ?	True Width :	Host :	Dolomite/quartz-carbonate flooded						

Comments :

Sample No.	UTM :	7204 030 N	Type :	Alteration :	None	Au	Ag	Co	Cu	Mo	Ni
		581 370 E	Strike Length Exp. :	Metallics :	>1%CP	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
546158	Elevation:	6275 ft	Sample Width :	Secondaries:	WMC	<5	1.0	13.	2029.	1.	45.
	Orientation:	/	True Width :	Host :	Light green sediments						

Comments :

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Date : FEBRUARY 23, 1994

Sample No.	UTM :	7203 850 N	Type :	Chip	Alteration :	sCA	Au	Ag	Co	Cu	Mo	Ni
		581 350 E		Strike Length Exp. :		6.0 m	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
546159	Elevation:	5900 ft		Sample Width :		4.0 m	115.	1.0	66.	6560.	2.	44.
	Orientation:	/		True Width :		4.0 m	Host : Block of sediments in breccia section					

Comments : Mineralization is disseminated and in blebs in coarse crystalline carbonate.

Sample No.	UTM :	7203 820 N	Type :	Chip	Alteration :	sCA, sQZ	Au	Ag	Co	Cu	Mo	Ni
		581 340 E		Strike Length Exp. :		20 m	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
546160	Elevation:	5650 ft		Sample Width :		2.0 m	65.	1.0	166.	5063.	3.	87.
	Orientation:	070 / ?		True Width :		4.0 m	Host : Breccia					

Comments : 4 metre band of quartz-carbonate alteration within breccia.

Sample No.	UTM :	7203 700 N	Type :	Chip	Alteration :	sCA, sQZ	Au	Ag	Co	Cu	Mo	Ni
		581 230 E		Strike Length Exp. :		25 m	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
546161	Elevation:	6000 ft		Sample Width :		50 cm	70.	1.0	136.	571.	4.	37.
	Orientation:	060 / 40 NW		True Width :		50 cm	Host : Banded shattered sediments					

Comments : Alteration zone follows bedding - pinches out to the north.

Sample No.	UTM :	7203 680 N	Type :	Select	Alteration :	sCA, sQZ	Au	Ag	Co	Cu	Mo	Ni
		581 220 E		Strike Length Exp. :		5 m	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
546162	Elevation:	6010 ft		Sample Width :		30 cm	45.	<0.5	38.	4713.	2.	119.
	Orientation:	060 / 40 NW		True Width :		m	Host : Sediments					

Comments : Grab from hanging wall of unmineralized 4.0 metre wide quartz-carbonate zone.

Sample No.	UTM :	7203 660 N	Type :	Grab	Alteration :	sCA, sQZ	Au	Ag	Co	Cu	Mo	Ni
		581 210 E		Strike Length Exp. :		50 m	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
546163	Elevation:	6010 ft		Sample Width :		15 cm	30.	<0.5	59.	22.	1.	78.
	Orientation:	00 / 40 NW		True Width :		m	Host : Banded sediments					

Comments : Spotty mineralization within alteration zone in sediments, 10m past 546162.

Sample No.	UTM :	7203 600 N	Type :	Float	Alteration :	sCB, sCL	Au	Ag	Co	Cu	Mo	Ni
		581 190 E		Strike Length Exp. :		m	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
546164	Elevation:	6175 ft		Sample Width :		m	15.	<0.5	370.	414.	2.	181.
	Orientation:	/		True Width :		m	Host : Sediments					

Comments : Sample from cliffs above.

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NTS : 106C/14

Date : FEBRUARY 23, 1994

Sample No.	UTM :	7203 580 N	Type :	Float	Alteration :	sCB, sCL, mQZ	Au	Ag	Co	Cu	Mo	Ni
		581 270 E	Strike Length Exp. :	m	Metallics :	1%CP, 5%HS	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
546165	Elevation:	6000 ft	Sample Width :	2 m	Secondaries:	sHE, wJA	35.	<0.5	36.	4621.	4.	36.
	Orientation:	/	True Width :	m	Host :	Banded sediments						

Comments : Sample from 3 metre radius in altered sediments.

Sample No.	UTM :	7203 570 N	Type :	Select	Alteration :	sCB, sCL, mQZ	Au	Ag	Co	Cu	Mo	Ni
		581 280 E	Strike Length Exp. :	10 m	Metallics :	2%CP, trHS, 1%PY	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
546166	Elevation:		Sample Width :	m	Secondaries:	sHE, sJA, sMC	310.	1.0	387.	1.10%	10.	101.
	Bedding :	160 / 05 NW	True Width :	m	Host :	Banded sediments						

Comments : Sample taken over 5m radius, 10m south of 546165, mineralization spotty.

Sample No.	UTM :	7201 020 N	Type :	Grab	Alteration :	mCL	Au	Ag	Co	Cu	Mo	Ni
		580 680 E	Strike Length Exp. :	m	Metallics :	>1%CP	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
546167	Elevation:	4325 ft	Sample Width :	50 cm	Secondaries:	wJA, wMC	105.	3.0	56.	1.30%	17.	13.
	Orientation:	/	True Width :	m	Host :	Altered diorite						

Comments : Sample taken above cat trench.

Sample No.	UTM :	7203 520 N	Type :	Chip	Alteration :	sCB, sQZ	Au	Ag	Co	Cu	Mo	Ni
		581 840 E	Strike Length Exp. :	15 m	Metallics :	>1%CP, 1%HS	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
546168	Elevation:	5500 ft	Sample Width :	30 cm	Secondaries:	wJA, sMC	80.	2.0	27.	2660.	104.	46.
	Bedding :	160 / 90	True Width :	30 cm	Host :	Medium green sediments, jasper bands						

Comments : Alteration is parallel to bedding. Jasper bands with specular hematete, chalcocopyrite, malachite and jarosite.

Sample No.	UTM :	7203 480 N	Type :	Grab	Alteration :	mCB, mQZ	Au	Ag	Co	Cu	Mo	Ni
		581 660 E	Strike Length Exp. :	25 m	Metallics :	55%HS, 8%PY	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
546169	Elevation:	5725 ft	Sample Width :	4.0 m	Secondaries:	sHE	15.	1.0	330.	97.	15.	47.
	Bedding :	080 / 90	True Width :	4.0 m	Host :	Banded sediments						

Comments : 200m past 546168. Contact between massive sediments and breccia and light coloured sediments.

Sample No.	UTM :	7203 500 N	Type :	Float	Alteration :	sCB, sQZ	Au	Ag	Co	Cu	Mo	Ni
		581 620 E	Strike Length Exp. :	m	Metallics :	65%HS, 8%PY	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
546170	Elevation:	5750 ft	Sample Width :	m	Secondaries:	wGE, sHE, mJA	<5	<0.5	652.	44.	4.	57.
	Orientation:	/	True Width :	m	Host :	Banded sediments						

Comments : Same zone as 546169.

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NTS : 106C/14

Date : FEBRUARY 23, 1994

Sample No.	UTM :	7203 460 N	Type :	Grab	Alteration :	sCB, sQZ	Au	Ag	Co	Cu	Mo	Ni
		581 510 E	Strike Length Exp. :	m	Metallics :	trCP, 3%PY	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
546171	Elevation:	6000 ft	Sample Width :	50 cm	Secondaries:	mGE, sHE, wJA	<5	<0.5	562.	814.	13.	61.
	Bedding :	110 / 80 NE	True Width :	2 m	Host :	Banded sediments, altered						

Comments : Zone is shattered and hard to reach and sample, conformable to bedding.

Sample No.	UTM :	7203 520 N	Type :	Float	Alteration :	sCB, sQZ	Au	Ag	Co	Cu	Mo	Ni
		581 550 E	Strike Length Exp. :	m	Metallics :	1%CP, >1%PY	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
546172	Elevation:	5800 ft	Sample Width :	m	Secondaries:	wJA	220.	3.0	527.	1.20%	4.	141.
	Orientation:	/	True Width :	m	Host :	Breccia sediment contact						

Comments : Near sediment-breccia contact. Talus sample from chute below 546171 (difficult area to sample).

Sample No.	UTM :	7203 520 N	Type :	Float	Alteration :	mCB, sQZ	Au	Ag	Co	Cu	Mo	Ni
		581 570 E	Strike Length Exp. :	m	Metallics :	>1%CP, >1%PY	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
546173	Elevation:	5800 ft	Sample Width :	m	Secondaries:	sGE, sHE, sJA	50.	1.0	241.	7025.	6.	54.
	Orientation:	/	True Width :	m	Host :	Banded sediments						

Comments : Below 546171.

Sample No.	UTM :	7203 440 N	Type :	Grab	Alteration :	sQZ	Au	Ag	Co	Cu	Mo	Ni
		581 400 E	Strike Length Exp. :	5 m	Metallics :	2%PY	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
546174	Elevation:	6100 ft	Sample Width :	30 cm	Secondaries:	sGE, sJA	40.	1.0	290.	1977.	1.	48.
	Vein :	090 /	True Width :	30 cm	Host :	Banded sediments						

Comments : Vein within 8-10 metre wide quartz-carbonate zone. Two chutes up from 546171.

Sample No.	UTM :	7203 440 N	Type :	Float	Alteration :	sCB, sQZ	Au	Ag	Co	Cu	Mo	Ni
		581 400 E	Strike Length Exp. :	m	Metallics :	1%CP	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
546175	Elevation:	6050 ft	Sample Width :	m	Secondaries:	sJA	135.	1.0	97.	1.31%	4.	46.
	Orientation:	180 /	True Width :	8-10? m	Host :	Breccia-quartz-carbonate zone						

Comments : Float near contact between banded sediments and breccia.

Sample No.	UTM :	7202 380 N	Type :	Chip	Alteration :	sCB, mQZ	Au	Ag	Co	Cu	Mo	Ni
		580 370 E	Strike Length Exp. :	15 m	Metallics :	>1%CP, >1%PY	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
546176	Elevation:	5650 ft	Sample Width :	8.0 m	Secondaries:	wHE, wJA, wMC	25.	0.0	462.	1324.	2.	81.
	Orientation:	120 /	True Width :	15.0 m	Host :	Meta-sediments						

Comments : Near contact between dark green sediments and lighter sediments. Disseminated sulphides with quartz-carbonate alteration.

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Date : FEBRUARY 23, 1994

Sample No.	UTM :	7202 380 N	Type :	Chip	Alteration :	sCB, mQZ	Au	Ag	Co	Cu	Mo	Ni
		580 350 E	Strike Length Exp. :	15 m	Metallics :	>1%CP, >1%PY	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
546177	Elevation:	5650 ft	Sample Width :	7.0 m	Secondaries:	wHE, wJA, wMC	55.	1.0	27.	2191.	3.	65.
	Orientation:	/	True Width :	15.0 m	Host :	Meta-sediments						

Comments : Adjacent to 546176 taken from light green sediments at contact.

Sample No.	UTM :	7202 350 N	Type :	Chip	Alteration :	mCB, mQZ	Au	Ag	Co	Cu	Mo	Ni
		580 330 E	Strike Length Exp. :	7.0 m	Metallics :	1%CP, 2%PY	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
546178	Elevation:	5640 ft	Sample Width :	2.0 m	Secondaries:	mAZ, mGE, mJA, mMC	405.	2.0	58.	2.38%	4.	198.
	Bedding :	109 / 60 NE	True Width :	2.0 m	Host :	Banded sediments						

Comments : 5cm wide chalcopyrite stringers within zone parallel to bedding. 15m from 546176 and 546177.

Sample No.	UTM :	7202 400 N	Type :	Chip	Alteration :	sCB, sQZ	Au	Ag	Co	Cu	Mo	Ni
		580 290 E	Strike Length Exp. :	10 m	Metallics :	3%CP	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
546179	Elevation:	5450 ft	Sample Width :	35 cm	Secondaries:	sGE, sJA	175.	2.0	268.	1.37%	24.	99.
	Bedding :	160 / 50 NE	True Width :	35 cm	Host :	Banded sediments						

Comments : Knots of highgrade chalcopyrite (60-70%) in quartz-carbonate vein, spotty mineralization.

Sample No.	UTM :	7202 460 N	Type :	Grab	Alteration :	sCB, sQZ	Au	Ag	Co	Cu	Mo	Ni
		580 120 E	Strike Length Exp. :	4.0 m	Metallics :	>1%CP, 4%HS, 2%MG	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
546180	Elevation:	5250 ft	Sample Width :	50 cm	Secondaries:	sHE	15.	1.0	42.	2441.	1.	28.
	Bedding :	040 / 40 NW	True Width :	50 cm	Host :	Banded sediments						

Comments : Magnetite crystals replaced by specular hematite - many small mineralized zones in area.

APPENDIX E
CERTIFICATES OF ANALYSIS
AND ANALYTICAL PROCEDURES



Chemex Labs Ltd.

Analytical Chemists Geochemists Registered Assayers

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

Phone: (604) 984-0221
Telex: 04-352597
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24-Element Geochemistry Package (24-ICP)

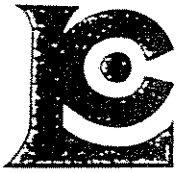
Inductively-Coupled Plasma Atomic Emission Spectroscopy (ICP-AES)

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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Analytical Chemists

Geochemists

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Gold

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

Chemex Code: 100

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

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

Detection limit: 5 ppb

Upper Limit: 10,000 ppb



Chemex Labs Ltd.

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

To: PAMICON DEVELOPMENTS LIMITED

711 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N4

Page Number :1
Total Pages :1
Certificate Date: 18-AUG-93
Invoice No. : I9318860
P.O. Number :
Account : BM

Project : DOLORES
Comments : ATTN: M. STAMMERS CC: EQUITY ENGINEERING LTD.

CERTIFICATE OF ANALYSIS

A9318860

SAMPLE	PREP CODE	Cu %	Co %								
545551	244 --	2.74	-----								
545552	244 --	21.4	-----								
545553	244 --	29.8	-----								
545554	244 --	-----	3.03								
545556	244 --	20.5	-----								
545557	244 --	-----	3.60								
545558	244 --	-----	6.60								
545559	244 --	1.25	-----								
545560	244 --	3.05	1.60								
545561	244 --	20.1	-----								
545562	244 --	8.00	-----								
545564	244 --	7.14	-----								
545565	244 --	2.35	-----								
545566	244 --	3.33	-----								
545568	244 --	1.16	-----								
545661	244 --	1.51	-----								
546055	244 --	6.91	-----								
546056	244 --	32.4	-----								
546069	244 --	4.06	-----								
546070	244 --	1.07	-----								
546151	244 --	9.80	-----								
546153	244 --	1.71	-----								
546155	244 --	1.99	-----								
546166	244 --	1.10	-----								
546167	244 --	1.30	-----								
546172	244 --	1.20	-----								
546175	244 --	1.31	-----								
546178	244 --	2.38	-----								
546179	244 --	1.37	-----								

CERTIFICATION: Said Zeinab



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

To: PAMICON DEVELOPMENTS LIMITED

711 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N4

Project : DOLORES
Comments: ATTN: M. STAMMERS CC: EQUITY ENGINEERING LTD.

Page Number :1
Total Pages :1
Certificate Date: 11-AUG-93
Invoice No. :I9318597
P.O. Number :
Account :BM

CERTIFICATE OF ANALYSIS

A9318597

SAMPLE	PREP CODE	Cu %																		
L5200 5000E	244 --	1.15																		

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

711 - 675 W. HASTINGS ST.
 VANCOUVER, BC
 V6B 1N4

Page Number :1-A
 Total Pages :3
 Certificate Date: 04-AUG-93
 Invoice No. :19317874
 P.O. Number :
 Account :BM

Project : DOLORES
 Comments: ATTN: M. STAMMERS CC: EQUITY ENG. LTD.

CERTIFICATE OF ANALYSIS A9317874

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)
L5000N 4750E	201 285	< 5	< 0.2	7.62	1600	3.5	< 2	0.65	< 0.5	24	91	50	5.86	2.70	1.56
L5000N 4800E	201 285	< 5	< 0.2	7.13	1150	2.0	< 2	0.81	< 0.5	22	82	79	5.46	2.86	1.27
L5000N 4850E	201 285	20	< 0.2	7.80	1390	1.5	< 2	0.72	< 0.5	50	81	771	5.96	3.53	1.63
L5000N 4900E	201 285	< 5	< 0.2	7.39	1580	2.0	< 2	0.99	< 0.5	22	82	104	5.51	3.25	1.35
L5000N 4950E	201 285	15	< 0.2	7.56	1330	2.0	< 2	0.98	< 0.5	41	81	503	5.87	3.47	1.73
L5000N 5000E	201 285	< 5	< 0.2	7.55	1300	2.0	< 2	0.94	< 0.5	35	83	470	5.49	3.35	1.56
L5000N 5050E	201 285	< 5	< 0.2	7.59	1350	< 0.5	< 2	0.49	< 0.5	18	88	49	5.79	3.44	1.18
L5000N 5100E	201 285	< 5	< 0.2	8.02	1030	1.5	< 2	0.69	< 0.5	18	85	42	4.80	3.79	2.14
L5000N 5150E	201 285	< 5	< 0.2	8.01	1400	< 0.5	< 2	0.71	< 0.5	23	88	103	6.03	4.02	2.25
L5000N 5200E	201 285	< 5	< 0.2	8.11	1280	1.5	< 2	0.38	< 0.5	20	92	73	5.96	3.36	1.27
L5000N 5250E	201 285	< 5	< 0.2	6.89	1070	< 0.5	< 2	0.30	< 0.5	18	88	26	5.54	3.15	1.80
L5100N 4750E	201 285	< 5	< 0.2	6.91	870	1.0	< 2	1.13	< 0.5	22	85	37	4.57	1.67	1.68
L5100N 4800E	201 285	< 5	< 0.2	7.15	1130	2.0	2	0.75	< 0.5	19	80	69	5.20	2.90	1.47
L5100N 4850E	201 285	25	< 0.2	7.04	1110	1.5	< 2	0.69	< 0.5	24	80	112	5.32	3.41	1.28
L5100N 4900E	201 285	< 5	< 0.2	7.70	990	1.5	< 2	0.66	< 0.5	17	80	88	5.51	2.90	1.30
L5100N 4950E	201 285	< 5	< 0.2	7.43	1690	1.0	< 2	0.97	< 0.5	75	76	909	5.84	3.07	1.39
L5100N 5000E	201 285	< 5	< 0.2	6.52	950	2.0	2	0.90	< 0.5	83	74	552	5.77	2.48	1.28
L5100N 5050E	201 285	< 5	< 0.2	7.31	1330	1.5	< 2	0.64	< 0.5	24	85	90	5.26	3.16	1.49
L5100N 5100E	201 285	< 5	< 0.2	7.40	1310	2.0	< 2	2.66	< 0.5	21	96	52	3.53	2.84	1.42
L5100N 5150E	201 285	< 5	< 0.2	7.77	920	< 0.5	< 2	0.21	< 0.5	22	88	60	5.59	3.53	1.40

CERTIFICATION: Hart/Bichler



Chemex Labs Ltd.

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

To: PAMICON DEVELOPMENTS LIMITED

711 - 675 W. HASTINGS ST.
 VANCOUVER, BC
 V6B 1N4

Project: DOLORES
 Comments: ATTN: M. STAMMERS CC: EQUITY ENG. LTD.

Page Number :1-B
 Total Pages :3
 Certificate Date: 04-AUG-93
 Invoice No. :I9317874
 P.O. Number :
 Account :BM

CERTIFICATE OF ANALYSIS A9317874

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		
L5000N 4750E	201 285	1920	< 1	1.67	38	1020	8	54	0.28	114	< 10	54	100		
L5000N 4800E	201 285	1350	2	1.67	30	1070	8	64	0.32	113	< 10	52	60		
L5000N 4850E	201 285	2240	2	1.27	38	1100	6	59	0.35	113	< 10	62	70		
L5000N 4900E	201 285	2020	3	1.44	33	1710	6	67	0.26	94	< 10	40	80		
L5000N 4950E	201 285	1425	2	1.36	35	1150	6	62	0.35	109	10	44	70		
L5000N 5000E	201 285	1470	3	1.18	35	1240	3	57	0.30	95	< 10	44	70		
L5000N 5050E	201 285	1305	3	1.05	28	590	8	60	0.32	110	10	40	60		
L5000N 5100E	201 285	745	< 1	0.99	35	800	6	40	0.26	91	< 10	40	70		
L5000N 5150E	201 285	1790	1	0.87	39	720	6	45	0.29	107	< 10	40	60		
L5000N 5200E	201 285	1300	2	1.21	33	570	6	60	0.30	110	< 10	44	60		
L5000N 5250E	201 285	2170	4	0.54	29	810	12	60	0.33	149	< 10	52	40		
L5100N 4750E	201 285	1975	3	1.51	39	1530	8	52	0.26	126	< 10	72	50		
L5100N 4800E	201 285	1230	1	1.46	33	1270	6	60	0.24	94	< 10	56	90		
L5100N 4850E	201 285	2260	2	1.16	34	1190	4	50	0.25	89	< 10	36	80		
L5100N 4900E	201 285	805	2	2.50	32	910	4	71	0.25	91	< 10	38	90		
L5100N 4950E	201 285	1265	6	1.81	31	1470	4	73	0.38	88	10	48	90		
L5100N 5000E	201 285	2400	2	1.26	35	1570	6	50	0.34	86	< 10	42	80		
L5100N 5050E	201 285	1615	2	1.01	38	760	6	78	0.30	101	< 10	42	70		
L5100N 5100E	201 285	1745	< 1	1.96	50	2410	8	63	0.26	91	< 10	56	60		
L5100N 5150E	201 285	1355	3	0.87	31	940	4	47	0.30	104	< 10	38	60		

CERTIFICATION:

Hant 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

711 - 675 W. HASTINGS ST.
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CERTIFICATE OF ANALYSIS A9317874

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)
L5100N 5200E	201 285	< 5	< 0.2	8.33	1140	2.0	< 2	0.43	< 0.5	28	90	60	6.08	2.91	1.66
L5100N 5250E	201 285	< 5	< 0.2	6.67	1480	1.5	< 2	0.86	< 0.5	24	72	35	5.31	1.99	1.00
L5200N 4750E	201 285	< 5	< 0.2	5.70	1020	0.5	< 2	1.82	< 0.5	15	67	52	3.53	1.07	0.87
L5200N 4800E	201 285	< 5	< 0.2	7.72	1010	2.0	< 2	0.75	< 0.5	24	84	33	5.38	2.49	1.43
L5200N 4850E	201 285	< 5	< 0.2	7.73	1370	3.5	< 2	0.70	< 0.5	26	78	62	5.81	3.08	1.78
L5200N 4900E	201 285	< 5	< 0.2	7.28	850	2.5	< 2	0.69	< 0.5	19	74	49	5.35	2.21	1.07
L5200N 4950E	201 285	55	< 0.2	7.05	1110	5.5	< 2	1.30	< 0.5	175	76	2280	6.35	2.16	1.50
L5200N 5000E	201 285	420	1.6	6.18	390	3.0	< 2	1.32	< 0.5	216	36	>10000	7.95	0.84	1.65
L5200N 5050E	201 285	80	0.6	7.10	1920	2.0	< 2	1.33	< 0.5	91	67	3180	6.54	1.57	1.31
L5200N 5100E	201 285	15	< 0.2	8.60	870	3.0	8	0.35	< 0.5	36	105	53	6.49	3.15	2.12
L5200N 5150E	201 285	< 5	< 0.2	7.43	1030	2.5	< 2	0.52	< 0.5	33	83	72	5.88	2.59	1.79
L5200N 5200E	201 285	< 5	< 0.2	7.28	1120	2.0	< 2	0.43	< 0.5	31	85	79	6.49	2.40	1.31
L5200N 5250E	201 285	< 5	< 0.2	7.49	900	1.5	< 2	0.43	< 0.5	27	81	73	6.34	2.08	1.38
L5300N 4750E	201 285	< 5	0.6	8.35	880	3.5	< 2	1.47	< 0.5	25	89	24	4.31	1.85	0.92
L5300N 4800E	201 285	75	0.6	7.14	1640	2.0	< 2	1.46	< 0.5	30	75	317	3.47	2.01	0.92
L5300N 4850E	201 285	< 5	0.4	6.70	3960	2.5	< 2	6.67	< 0.5	36	77	147	4.75	2.35	1.04
L5300N 4900E	201 285	< 5	< 0.2	6.58	2480	1.5	< 2	0.97	< 0.5	13	71	20	3.23	1.69	0.72
L5300N 4950E	201 285	< 5	0.4	7.01	1210	2.5	2	0.76	< 0.5	32	73	60	5.33	1.66	0.81
L5300N 5000E	201 285	55	< 0.2	5.40	1080	4.5	< 2	1.87	< 0.5	171	61	1400	4.87	1.68	1.20
L5300N 5050E	201 285	< 5	< 0.2	6.90	1000	2.0	< 2	0.50	< 0.5	35	83	39	5.40	2.18	2.85
L5300N 5100E	201 285	< 5	< 0.2	3.80	2020	0.5	< 2	12.95	< 0.5	21	50	156	2.65	1.46	0.80
L5300N 5150E	201 285	< 5	< 0.2	6.96	1270	1.0	< 2	0.55	< 0.5	25	84	36	5.70	2.75	2.19
L5300N 5200E	201 285	< 5	< 0.2	5.93	1130	0.5	< 2	1.03	< 0.5	17	84	42	7.18	3.54	0.94
L5300N 5250E	201 285	< 5	< 0.2	6.50	800	0.5	< 2	0.67	< 0.5	15	79	17	6.07	3.61	1.48
L5400N 4750E	201 285	< 5	< 0.2	6.89	890	2.0	< 2	1.07	< 0.5	7	76	28	4.37	2.33	0.77
L5400N 4800E	201 285	< 5	< 0.2	5.06	1060	1.5	< 2	1.92	< 0.5	25	68	440	3.99	1.71	0.67
L5400N 4850E	201 285	15	< 0.2	6.17	1730	1.5	< 2	1.39	< 0.5	151	71	829	3.90	2.38	0.88
L5400N 4900E	201 285	< 5	< 0.2	3.40	1930	< 0.5	< 2	8.28	0.5	19	44	47	2.73	1.03	0.88
L5400N 5050E	201 285	< 5	< 0.2	7.26	1170	3.5	< 2	1.20	< 0.5	44	75	507	4.93	2.54	0.92
L5400N 5100E	201 285	< 5	< 0.2	7.57	1380	2.5	4	0.37	< 0.5	23	91	60	6.04	3.34	2.14
L5400N 5150E	201 285	10	< 0.2	8.24	1290	5.0	< 2	0.59	< 0.5	24	97	73	6.11	3.78	3.21
L5400N 5200E	201 285	10	< 0.2	7.44	2860	5.0	< 2	0.51	< 0.5	43	92	91	6.85	3.48	2.04
L5400N 5250E	201 285	< 5	< 0.2	8.26	1030	5.0	< 2	0.22	< 0.5	26	85	19	7.50	4.41	3.33
L5500N 4750E	201 285	< 5	< 0.2	8.17	760	3.0	< 2	0.73	< 0.5	19	71	57	4.36	1.39	0.54
L5500N 4800E	201 285	< 5	< 0.2	7.02	1250	4.0	< 2	1.06	< 0.5	19	78	130	4.19	2.43	1.27
L5500N 4850E	201 285	< 5	< 0.2	6.73	1080	3.5	< 2	1.06	< 0.5	25	88	154	4.54	1.72	1.11
L5500N 4900E	201 285	55	< 0.2	6.60	1470	4.0	< 2	1.07	< 0.5	90	71	1455	5.08	2.16	1.04
L5500N 4950E	201 285	< 5	< 0.2	4.96	1690	4.0	< 2	2.33	< 0.5	33	62	479	4.73	1.58	1.16
L5500N 5000E	201 285	< 5	< 0.2	6.31	1070	2.0	< 2	1.38	< 0.5	25	68	233	3.99	1.92	0.87
L5500N 5050E	201 285	< 5	< 0.2	6.30	830	1.5	< 2	0.69	< 0.5	30	79	51	5.72	2.14	2.38

CERTIFICATION: *Hart Buchler*



Chemex Labs Ltd.

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

To: PAMICON DEVELOPMENTS LIMITED

711 - 675 W. HASTINGS ST.
 VANCOUVER, BC
 V6B 1N4

Page Number :2-B
 Total Pages :3
 Certificate Date: 04-AUG-93
 Invoice No. :19317874
 P.O. Number :
 Account :BM

Project: DOLORES
 Comments: ATTN: M. STAMMERS CC: EQUITY ENG. LTD.

CERTIFICATE OF ANALYSIS A9317874

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		
L5100N 5200E	201 285	1345	2	0.68	42	920	6	53	0.33	116	< 10	44	40		
L5100N 5250E	201 285	4220	2	0.43	24	2300	16	44	0.25	86	< 10	46	30		
L5200N 4750E	201 285	2260	1	1.36	26	1710	10	65	0.22	77	< 10	44	40		
L5200N 4800E	201 285	1160	< 1	1.32	41	950	14	58	0.28	98	< 10	52	80		
L5200N 4850E	201 285	715	2	0.84	44	1090	6	66	0.29	108	< 10	54	90		
L5200N 4900E	201 285	920	1	1.69	31	940	6	68	0.23	84	< 10	34	90		
L5200N 4950E	201 285	1350	13	1.29	34	1350	12	81	0.34	95	< 10	70	100		
L5200N 5000E	201 285	3400	26	1.67	13	2360	8	48	0.72	62	< 10	96	120		
L5200N 5050E	201 285	2110	10	2.07	33	1920	4	85	0.37	80	< 10	58	90		
L5200N 5100E	201 285	1235	11	0.39	53	830	8	96	0.30	122	< 10	52	70		
L5200N 5150E	201 285	2820	1	0.66	42	1250	8	54	0.26	112	< 10	48	50		
L5200N 5200E	201 285	1545	1	0.68	39	750	8	54	0.28	107	< 10	44	50		
L5200N 5250E	201 285	1390	1	0.68	33	900	6	59	0.29	116	< 10	46	40		
L5300N 4750E	201 285	2800	9	1.87	54	1460	10	74	0.27	104	< 10	66	70		
L5300N 4800E	201 285	3470	8	0.60	48	2150	8	73	0.20	89	< 10	56	80		
L5300N 4850E	201 285	4020	3	0.57	42	3200	6	170	0.23	86	< 10	48	20		
L5300N 4900E	201 285	1710	< 1	1.73	21	1480	8	89	0.25	74	< 10	36	70		
L5300N 4950E	201 285	935	4	1.88	30	920	30	84	0.26	86	< 10	44	110		
L5300N 5000E	201 285	4410	17	0.93	36	1530	12	59	0.22	69	< 10	60	60		
L5300N 5050E	201 285	1740	3	0.41	47	1210	8	47	0.29	125	< 10	56	40		
L5300N 5100E	201 285	7830	3	0.17	27	4090	8	505	0.11	55	< 10	40	< 10		
L5300N 5150E	201 285	1110	2	0.62	42	980	8	75	0.30	103	< 10	64	40		
L5300N 5200E	201 285	4750	4	0.39	37	1660	12	50	0.25	106	< 10	54	50		
L5300N 5250E	201 285	1515	4	0.49	28	1130	12	50	0.26	106	< 10	82	40		
L5400N 4750E	201 285	545	1	1.40	26	1340	8	69	0.23	79	< 10	54	60		
L5400N 4800E	201 285	2410	3	0.47	29	2070	12	89	0.23	76	< 10	58	70		
L5400N 4850E	201 285	4030	13	0.44	41	2390	18	83	0.23	77	< 10	56	70		
L5400N 4900E	201 285	>10000	2	0.26	23	4170	12	514	0.10	56	< 10	48	< 10		
L5400N 5050E	201 285	2670	4	1.13	33	1230	10	68	0.26	79	< 10	54	80		
L5400N 5100E	201 285	1175	7	0.65	44	950	6	83	0.34	127	< 10	58	50		
L5400N 5150E	201 285	1395	10	0.39	55	1030	6	45	0.29	113	< 10	58	50		
L5400N 5200E	201 285	2990	8	0.70	52	1010	8	79	0.29	108	< 10	60	60		
L5400N 5250E	201 285	1415	13	0.32	53	890	4	29	0.29	138	< 10	60	60		
L5500N 4750E	201 285	960	4	1.14	32	950	18	53	0.19	78	< 10	58	60		
L5500N 4800E	201 285	2960	2	1.38	33	1420	8	92	0.30	84	< 10	66	60		
L5500N 4850E	201 285	2430	4	1.09	36	750	18	159	0.40	120	< 10	94	50		
L5500N 4900E	201 285	5580	7	0.46	38	1470	32	77	0.24	78	< 10	78	70		
L5500N 4950E	201 285	9450	4	0.39	32	1870	10	88	0.20	61	< 10	60	60		
L5500N 5000E	201 285	2430	2	1.28	28	1280	10	64	0.22	66	< 10	52	70		
L5500N 5050E	201 285	1420	2	0.69	40	1670	14	70	0.34	123	< 10	84	40		

CERTIFICATION:

Hart Buchler



Chemex Labs Ltd.

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

To: PAMICON DEVELOPMENTS LIMITED

711 - 675 W. HASTINGS ST.
VANCOUVER, BC
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Page Number :3-A
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CERTIFICATE OF ANALYSIS

A9317874

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 5100E	201 285	< 5	< 0.2	6.77	710	2.5	4	1.11	< 0.5	40	77	352	7.09	2.47	3.15
L5500N 5150E	201 285	< 5	< 0.2	7.25	780	2.0	< 2	0.65	< 0.5	26	90	16	5.57	1.58	2.23
L5500N 5200E	201 285	< 5	< 0.2	6.88	1830	2.5	< 2	0.29	< 0.5	27	83	26	6.84	4.12	2.10
L5500N 5250E	201 285	< 5	< 0.2	7.27	880	3.0	< 2	0.58	< 0.5	17	94	35	6.80	3.05	2.17

CERTIFICATION:

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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 5100E	201 285	745	1	0.91	43	920	48	78	0.40	199	< 10	96	40		
L5500N 5150E	201 285	2110	< 1	2.72	53	1870	6	48	0.26	90	< 10	50	70		
L5500N 5200E	201 285	2100	2	0.54	39	2130	10	37	0.27	122	< 10	48	50		
L5500N 5250E	201 285	1265	< 1	0.76	40	1310	10	84	0.34	124	< 10	76	40		

CERTIFICATION:

Heath Bachler



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

711 - 675 W. HASTINGS ST.
 VANCOUVER, BC
 V6B 1N4

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 Comments: ATTN: M. STAMMERS CC: EQUITY ENGINEERING

CERTIFICATE OF ANALYSIS A9317861

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)
545551	205 274	235	1.0	2.17	170	1.0	< 2	0.12	< 0.5	40	220	>10000	7.49	0.93	0.22
545552	205 274	2820	19.0	0.96	10	< 0.5	< 2	0.12	< 0.5	546	46	>10000	>25.0	0.01	0.05
545553	205 274	540	14.0	0.06	< 10	< 0.5	< 2	0.02	< 0.5	50	34	>10000	>25.0	< 0.01	0.03
545554	205 274	430	1.0	2.65	70	< 0.5	28	1.33	< 0.5	>10000	191	5100	2.10	0.39	0.36
545555	205 274	30	1.0	6.53	790	1.5	< 2	7.54	0.5	89	140	9610	3.90	1.16	2.33
545556	205 274	940	13.0	0.13	10	< 0.5	< 2	7.47	< 0.5	166	41	>10000	22.8	0.09	2.88
545557	205 274	870	1.0	2.15	150	< 0.5	< 2	12.00	< 0.5	>10000	45	274	6.98	0.71	4.76
545558	205 274	2400	< 1.0	5.10	380	< 0.5	< 2	2.98	< 0.5	>10000	111	1350	3.66	1.98	1.35
545559	205 274	600	3.0	1.37	130	< 0.5	< 2	16.00	< 0.5	8660	36	>10000	9.31	0.60	6.55
545560	205 274	990	4.0	4.26	320	1.0	< 2	9.08	< 0.5	>10000	54	>10000	9.61	1.74	3.96
545561	205 274	1770	21.0	0.10	10	4.5	< 2	1.08	< 0.5	1240	41	>10000	>25.0	< 0.01	0.52
545562	205 274	815	5.0	7.34	40	< 0.5	30	0.40	< 0.5	214	120	>10000	10.50	0.40	0.09
545563	205 274	40	< 1.0	9.46	50	0.5	< 2	1.35	< 0.5	124	78	6300	2.59	0.25	0.27
545564	205 274	110	119.0	6.48	450	0.5	120	2.76	< 0.5	17	137	>10000	3.78	3.53	0.47
545565	205 274	35	6.0	7.18	1910	0.5	< 2	0.19	< 0.5	4	118	>10000	2.65	7.43	0.34
545566	205 274	40	118.0	5.72	1060	< 0.5	20	9.17	0.5	24	103	>10000	1.70	2.45	0.99
545568	205 274	290	5.0	7.36	520	2.0	< 2	3.59	< 0.5	4390	108	>10000	4.29	2.84	1.56
545651	205 274	10	1.0	7.03	310	< 0.5	2	2.92	< 0.5	49	71	320	11.60	2.17	3.97
545652	205 274	35	1.0	6.62	640	< 0.5	< 2	5.20	0.5	13	68	8480	3.28	6.69	3.35
545653	205 274	40	2.0	5.85	110	2.5	< 2	6.43	< 0.5	28	71	4250	7.66	0.19	1.22
545654	205 274	< 5	1.0	9.41	800	3.5	< 2	0.42	< 0.5	35	154	100	1.13	3.85	0.34
545655	205 274	< 5	1.0	9.44	750	4.5	< 2	0.21	< 0.5	103	119	178	3.90	3.49	0.74
545656	205 274	90	2.0	10.10	840	4.5	< 2	0.79	0.5	64	128	3680	2.03	3.89	0.48
545657	205 274	30	2.0	8.81	530	3.5	< 2	1.31	< 0.5	18	126	4630	2.84	3.75	0.80
545658	205 274	< 5	< 1.0	9.16	530	4.0	< 2	1.85	< 0.5	115	128	848	2.79	3.63	0.94
545659	205 274	30	< 1.0	6.96	360	2.5	< 2	0.62	0.5	3320	194	2080	1.13	2.13	0.37
545660	205 274	40	2.0	9.13	620	3.5	< 2	1.41	0.5	384	113	2490	1.76	3.87	0.88
545661	205 274	200	3.0	6.83	320	1.0	< 2	5.94	0.5	155	105	>10000	5.23	2.02	2.24
545662	205 274	65	1.0	6.66	90	< 0.5	< 2	5.42	0.5	111	82	5560	4.78	0.65	1.86
545668	205 274	65	2.0	6.37	180	3.0	< 2	3.34	< 0.5	48	61	2640	8.34	0.63	1.09
545669	205 274	50	3.0	6.28	90	2.0	< 2	2.45	< 0.5	50	103	6070	10.20	0.49	1.40
545670	205 274	< 5	1.0	8.59	2650	3.5	< 2	3.22	< 0.5	33	104	56	3.40	6.90	1.56
545671	205 274	35	3.0	6.42	190	6.0	< 2	1.84	< 0.5	67	95	2180	9.85	0.42	1.56
545672	205 274	10	3.0	6.47	220	5.0	< 2	3.46	< 0.5	56	51	1885	7.35	0.35	1.89
545673	205 274	20	4.0	6.43	170	4.5	< 2	3.26	< 0.5	55	77	2060	7.56	0.28	1.64

CERTIFICATION:

Hart Buchler



Chemex Labs Ltd.

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

To: PAMICON DEVELOPMENTS LIMITED

711 - 675 W. HASTINGS ST.
 VANCOUVER, BC
 V6B 1N4

Page Number :1-B
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 Invoice No. :19317861
 P.O. Number :
 Account :BM

Project : DOLORES
 Comments: ATTN: M. STAMMERS CC: EQUITY ENGINEERING

CERTIFICATE OF ANALYSIS A9317861

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		
545551	205 274	360	5	0.24	36	280	< 8	11	0.11	18	< 10	24	70		
545552	205 274	995	20	0.67	849	1230	< 8	9	0.02	3	< 10	110	< 10		
545553	205 274	25	12	0.05	295	970	< 8	1	< 0.01	< 1	< 10	94	< 10		
545554	205 274	495	26	1.27	1670	2930	< 8	44	0.18	13	< 10	14	330		
545555	205 274	2460	1	2.85	46	380	< 8	136	0.35	145	< 10	78	< 10		
545556	205 274	4350	11	0.17	205	740	< 8	34	< 0.01	11	< 10	46	< 10		
545557	205 274	6570	13	0.62	7040	480	< 8	71	0.04	28	< 10	40	< 10		
545558	205 274	1755	13	0.92	8670	470	< 8	35	0.11	50	< 10	40	< 10		
545559	205 274	8350	31	0.10	1795	30	< 8	77	0.03	27	< 10	28	< 10		
545560	205 274	5110	43	0.46	5100	270	< 8	52	0.12	42	< 10	38	< 10		
545561	205 274	1095	19	0.26	1130	610	< 8	7	< 0.01	5	< 10	82	< 10		
545562	205 274	595	93	5.32	77	680	< 8	59	0.19	57	< 10	8	10		
545563	205 274	925	37	7.35	48	910	< 8	129	0.23	16	< 10	10	< 10		
545564	205 274	545	6	2.14	40	790	< 8	229	0.17	74	< 10	10	170		
545565	205 274	100	21	0.51	21	520	< 8	206	0.16	102	< 10	14	< 10		
545566	205 274	1900	194	2.74	21	400	< 8	323	0.15	43	< 10	68	< 10		
545568	205 274	2030	32	1.58	480	320	< 8	47	0.19	52	< 10	14	20		
545651	205 274	830	2	2.50	57	940	< 8	60	1.29	486	< 10	96	10		
545652	205 274	1475	30	0.80	20	1080	< 8	29	0.18	119	< 10	12	50		
545653	205 274	1110	15	4.15	24	3930	< 8	75	1.26	55	< 10	34	50		
545654	205 274	400	< 1	1.77	23	780	< 8	35	0.25	52	< 10	8	10		
545655	205 274	640	1	1.42	56	460	< 8	31	0.30	65	< 10	12	50		
545656	205 274	530	2	1.73	34	360	< 8	37	0.26	78	< 10	8	70		
545657	205 274	820	6	1.36	32	490	< 8	27	0.26	64	< 10	10	30		
545658	205 274	1475	11	1.84	34	550	< 8	42	0.31	70	< 10	8	20		
545659	205 274	265	3	2.24	787	590	< 8	45	0.13	42	< 10	8	< 10		
545660	205 274	745	1	1.47	71	740	< 8	36	0.22	70	< 10	6	20		
545661	205 274	3670	44	2.61	161	230	< 8	76	0.13	54	< 10	14	< 10		
545662	205 274	3550	4	4.61	49	870	< 8	72	0.18	43	< 10	10	60		
545668	205 274	785	6	4.04	7	3560	< 8	53	1.20	40	< 10	38	50		
545669	205 274	735	23	3.47	15	2890	< 8	39	1.09	39	< 10	52	70		
545670	205 274	835	2	1.88	37	720	< 8	92	0.22	64	< 10	52	90		
545671	205 274	430	6	4.06	11	3510	< 8	45	1.20	37	< 10	70	90		
545672	205 274	610	8	3.97	10	3760	< 8	57	1.30	61	< 10	66	70		
545673	205 274	760	7	4.20	9	3090	< 8	51	1.15	32	< 10	74	80		

CERTIFICATION:

Handwritten signature: Hans Bickler



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

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Page Number :2-A
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 Account :BM

Project : DOLORES
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CERTIFICATE OF ANALYSIS A9317861

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)
545674	205 274	25	1.0	6.59	160	3.5	< 2	4.00	< 0.5	57	85	3030	7.21	0.21	1.48
545951	205 274	< 5	< 1.0	6.04	80	2.0	< 2	3.53	< 0.5	89	91	923	9.25	0.13	1.70
545954	205 274	< 5	1.0	6.89	560	2.0	< 2	5.71	< 0.5	391	112	224	4.11	3.13	2.19
545955	205 274	35	1.0	7.60	460	2.0	< 2	4.45	< 0.5	1355	100	196	2.78	2.77	1.92
545956	205 274	45	1.0	7.03	420	1.5	< 2	5.53	0.5	109	95	5000	3.91	2.55	2.11
545957	205 274	10	< 1.0	6.29	850	< 0.5	< 2	1.63	< 0.5	105	122	104	15.20	4.73	1.67
545958	205 274	30	< 1.0	7.48	800	< 0.5	< 2	2.94	< 0.5	39	62	1195	10.25	2.23	4.40
545959	205 274	< 5	1.0	6.24	60	2.0	< 2	2.31	< 0.5	21	76	27	10.85	0.18	2.05
545960	205 274	< 5	1.0	6.96	2680	1.0	< 2	2.27	< 0.5	8	112	193	5.26	5.69	1.18
546051	205 274	25	1.0	8.76	480	2.5	< 2	0.70	< 0.5	389	121	2450	1.42	3.13	0.40
546052	205 274	< 5	< 1.0	6.80	2400	< 0.5	< 2	1.89	< 0.5	8	127	27	7.57	8.00	2.19
546053	205 274	< 5	1.0	7.47	710	< 0.5	< 2	2.85	0.5	5	105	18	6.40	8.77	2.23
546054	205 274	< 5	1.0	7.08	370	1.0	< 2	1.29	< 0.5	18	129	24	3.54	3.58	3.02
546055	205 274	15	10.0	0.47	250	< 0.5	30	15.25	< 0.5	10	50	>10000	8.99	0.05	8.88
546056	205 274	40	36.0	0.06	150	< 0.5	< 2	0.32	< 0.5	26	30	>10000	>25.0	< 0.01	0.20
546057	205 274	< 5	< 1.0	7.75	840	< 0.5	8	4.16	< 0.5	3	98	2100	5.54	4.46	1.34
546058	205 274	< 5	< 1.0	6.67	50	< 0.5	< 2	3.70	< 0.5	4	161	886	5.91	0.60	1.01
546059	205 274	90	1.0	8.18	30	0.5	< 2	0.63	< 0.5	301	142	5150	2.19	0.27	0.19
546060	205 274	5	1.0	6.78	870	< 0.5	4	6.46	< 0.5	10	122	78	7.51	5.26	0.61
546061	205 274	< 5	1.0	8.22	880	< 0.5	< 2	0.42	< 0.5	10	101	32	8.50	6.98	4.80
546062	205 274	40	1.0	7.84	840	< 0.5	< 2	3.71	< 0.5	54	75	1405	12.10	2.84	4.89
546063	205 274	15	< 1.0	7.76	410	0.5	< 2	2.77	< 0.5	6	107	62	7.48	3.89	1.38
546064	205 274	140	1.0	9.28	580	3.5	< 2	0.45	0.5	140	111	6140	1.85	3.84	0.48
546065	205 274	40	< 1.0	8.88	630	3.5	< 2	0.37	< 0.5	655	106	3380	1.66	3.76	0.67
546066	205 274	5	< 1.0	8.53	150	< 0.5	< 2	3.08	< 0.5	84	117	108	7.81	1.04	1.27
546067	205 274	< 5	1.0	7.28	20	1.5	< 2	0.36	0.5	137	108	91	1.44	0.20	0.05
546068	205 274	10	1.0	6.99	5070	< 0.5	< 2	3.28	< 0.5	44	42	2110	9.66	1.00	2.31
546069	205 274	310	3.0	4.85	140	< 0.5	< 2	0.31	0.5	2	190	>10000	5.61	1.00	0.10
546070	205 274	560	1.0	7.53	200	< 0.5	< 2	1.80	< 0.5	586	94	>10000	9.08	0.77	3.40
546151	205 274	330	10.0	5.74	370	< 0.5	< 2	2.96	< 0.5	23	93	>10000	10.05	3.14	1.03
546152	205 274	85	< 1.0	8.77	920	2.0	4	1.63	< 0.5	14	121	2200	6.67	5.41	1.65
546153	205 274	60	1.0	8.21	1260	1.5	< 2	0.48	< 0.5	30	128	>10000	8.51	5.40	2.20
546154	205 274	< 5	1.0	0.25	10	< 0.5	< 2	21.7	< 0.5	< 1	28	56	3.83	0.04	12.25
546155	205 274	90	>200	1.06	20	< 0.5	120	7.10	8.0	17	108	>10000	2.00	0.38	4.09
546156	205 274	< 5	1.0	0.36	90	< 0.5	4	7.24	< 0.5	64	65	210	20.2	0.11	1.33
546157	205 274	10	1.0	0.52	70	< 0.5	< 2	7.03	< 0.5	327	73	3420	20.2	0.10	1.17
546158	205 274	< 5	1.0	8.33	530	1.5	< 2	3.77	< 0.5	13	75	2030	3.30	3.87	1.45
546159	205 274	115	1.0	3.57	380	< 0.5	< 2	13.25	0.5	66	48	6560	7.08	1.37	5.41

CERTIFICATION:

Handwritten signature



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
 212 Brooksbank Ave., North Vancouver
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To: PAMICON DEVELOPMENTS LIMITED

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CERTIFICATE OF ANALYSIS A9317861

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545674	205 274	825	18	4.32	11	3120	< 8	48	1.11	37	< 10	72	90		
545951	205 274	755	3	3.67	10	4040	< 8	54	1.23	52	< 10	50	60		
545954	205 274	2990	1	0.62	36	480	< 8	44	0.17	53	< 10	10	10		
545955	205 274	2240	14	1.69	113	570	< 8	57	0.17	55	< 10	6	10		
545956	205 274	3010	14	1.65	59	560	< 8	57	0.15	53	< 10	8	20		
545957	205 274	1015	3	0.23	49	550	< 8	21	0.45	209	< 10	56	10		
545958	205 274	2290	3	1.81	81	290	< 8	36	0.91	430	< 10	110	< 10		
545959	205 274	780	2	2.95	3	4390	< 8	57	1.30	54	< 10	82	60		
545960	205 274	1325	< 1	0.72	33	730	< 8	43	0.15	66	< 10	14	30		
546051	205 274	390	4	2.11	57	1330	< 8	30	0.26	58	< 10	6	20		
546052	205 274	570	1	0.40	24	760	< 8	51	0.25	77	< 10	28	80		
546053	205 274	610	< 1	0.48	27	740	< 8	23	0.21	75	< 10	14	40		
546054	205 274	250	1	0.26	48	730	< 8	13	0.16	89	< 10	32	20		
546055	205 274	1635	56	0.07	31	210	< 8	130	< 0.01	32	< 10	300	< 10		
546056	205 274	90	230	0.03	31	250	14	8	< 0.01	8	< 10	612	< 10		
546057	205 274	690	2	3.02	31	680	< 8	63	0.26	69	< 10	34	30		
546058	205 274	1895	3	3.86	17	880	< 8	53	0.22	50	< 10	16	90		
546059	205 274	430	11	6.20	69	610	< 8	45	0.14	14	< 10	8	20		
546060	205 274	1385	2	0.35	40	700	< 8	38	0.24	80	< 10	32	30		
546061	205 274	160	5	0.43	30	810	< 8	19	0.26	82	< 10	22	70		
546062	205 274	720	2	2.20	51	1060	< 8	100	1.40	550	< 10	64	20		
546063	205 274	1180	2	1.98	31	710	< 8	37	0.27	81	< 10	14	30		
546064	205 274	130	2	1.73	86	400	< 8	37	0.15	72	< 10	8	< 10		
546065	205 274	125	1	1.38	93	460	< 8	31	0.17	72	< 10	8	< 10		
546066	205 274	1690	6	4.84	70	510	< 8	94	0.18	76	< 10	16	< 10		
546067	205 274	140	7	5.47	22	450	< 8	96	0.11	4	< 10	4	< 10		
546068	205 274	1055	2	4.12	31	700	12	218	1.26	339	< 10	142	20		
546069	205 274	115	60	1.82	35	820	< 8	24	0.08	15	< 10	14	< 10		
546070	205 274	1800	5	3.77	71	100	< 8	55	0.54	157	< 10	72	40		
546151	205 274	2030	265	0.31	49	770	< 8	20	0.21	252	< 10	24	110		
546152	205 274	895	4	0.44	34	680	< 8	16	0.31	75	< 10	40	70		
546153	205 274	780	8	0.33	52	590	< 8	17	0.30	75	< 10	78	250		
546154	205 274	2520	1	0.05	10	30	15	101	< 0.01	31	< 10	36	< 10		
546155	205 274	1885	2	0.06	13	130	< 8	42	0.02	15	< 10	2390	< 10		
546156	205 274	5750	7	0.04	66	4180	< 8	43	< 0.01	35	< 10	30	< 10		
546157	205 274	5660	8	0.05	77	4070	< 8	33	0.01	26	< 10	30	< 10		
546158	205 274	1700	1	0.45	45	680	< 8	38	0.19	64	< 10	10	40		
546159	205 274	6340	2	1.08	44	410	< 8	76	0.08	40	< 10	18	20		

CERTIFICATION:

Heath Buchler



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Comments: ATTN: M. STAMMERS CC: EQUITY ENGINEERING

CERTIFICATE OF ANALYSIS A9317861

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)
546160	205 274	65	1.0	0.74	90	< 0.5	< 2	18.80	< 0.5	166	35	5060	8.28	0.38	8.21
546161	205 274	70	1.0	5.70	610	1.0	< 2	4.64	< 0.5	136	184	571	3.66	2.77	1.83
546162	205 274	45	< 1.0	5.79	490	0.5	< 2	2.02	< 0.5	38	154	4710	6.29	2.23	1.72
546163	205 274	30	< 1.0	1.69	140	< 0.5	< 2	12.00	< 0.5	59	71	22	8.83	0.48	5.41
546164	205 274	15	< 1.0	7.24	400	< 0.5	< 2	3.15	< 0.5	370	113	414	10.30	1.91	2.78
546165	205 274	35	< 1.0	8.22	120	1.0	< 2	4.53	< 0.5	36	35	4620	3.88	0.36	1.44
546166	205 274	310	1.0	9.61	490	1.5	< 2	0.57	< 0.5	387	101	>10000	4.58	2.41	0.73
546167	205 274	105	3.0	6.63	90	< 0.5	< 2	3.68	< 0.5	56	81	>10000	9.23	0.39	0.89
546168	205 274	80	2.0	4.85	3950	< 0.5	< 2	5.70	0.5	27	128	2660	2.20	2.20	1.52
546169	205 274	15	1.0	5.12	220	< 0.5	< 2	5.66	< 0.5	330	98	97	16.35	1.41	2.33
546170	205 274	< 5	< 1.0	4.74	470	< 0.5	< 2	3.14	< 0.5	652	125	44	24.4	2.67	1.38
546171	205 274	< 5	< 1.0	2.87	160	< 0.5	< 2	4.95	< 0.5	562	244	814	5.82	1.48	1.56
546172	205 274	220	3.0	7.82	40	< 0.5	60	2.65	< 0.5	527	122	>10000	4.97	0.39	1.05
546173	205 274	50	1.0	9.11	260	1.5	14	1.40	0.5	241	140	7030	3.27	2.13	0.62
546174	205 274	40	1.0	8.40	790	1.5	< 2	0.52	< 0.5	290	199	1975	3.50	3.91	0.43
546175	205 274	135	1.0	5.62	400	< 0.5	< 2	9.85	< 0.5	97	121	>10000	4.34	2.44	1.10
546176	205 274	25	< 1.0	7.72	360	1.5	< 2	3.55	< 0.5	462	109	1325	3.85	3.44	1.36
546177	205 274	55	1.0	7.76	330	1.5	< 2	3.08	< 0.5	27	114	2190	3.71	3.20	1.19
546178	205 274	405	2.0	7.09	340	< 0.5	< 2	0.93	0.5	58	141	>10000	6.95	2.78	0.43
546179	205 274	175	2.0	3.61	220	< 0.5	< 2	9.42	< 0.5	268	145	>10000	7.53	1.49	2.59
546180	205 274	15	1.0	5.55	100	< 0.5	< 2	6.40	< 0.5	42	89	2440	5.84	0.52	1.66

CERTIFICATION:

Hart Buchler



Chemex Labs Ltd.

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

To: PAMICON DEVELOPMENTS LIMITED

711 - 675 W. HASTINGS ST.
 VANCOUVER, BC
 V6B 1N4

Page Number :3-B
 Total Pages :3
 Certificate Date: 09-AUG-93
 Invoice No. : I9317861
 P.O. Number :
 Account : BM

Project : DOLORES
 Comments: ATTN: M. STAMMERS CC: EQUITY ENGINEERING

CERTIFICATE OF ANALYSIS A9317861

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		
546160	205 274	8720	3	0.07	87	< 10	< 8	86	0.01	28	< 10	20	< 10		
546161	205 274	2150	4	0.22	37	520	< 8	41	0.13	46	< 10	10	< 10		
546162	205 274	935	2	0.29	119	440	< 8	29	0.12	39	< 10	14	30		
546163	205 274	5020	1	0.07	78	410	< 8	59	0.04	26	< 10	20	< 10		
546164	205 274	1680	2	1.57	181	710	< 8	31	0.15	55	< 10	20	640		
546165	205 274	2800	4	5.51	36	340	< 8	88	0.12	8	< 10	10	< 10		
546166	205 274	450	10	3.42	101	490	< 8	76	0.12	54	< 10	12	70		
546167	205 274	650	17	4.26	13	4140	< 8	62	1.33	47	< 10	42	50		
546168	205 274	2380	104	1.67	46	670	< 8	133	0.13	88	< 10	14	20		
546169	205 274	4140	15	2.15	47	600	< 8	51	0.20	81	< 10	18	< 10		
546170	205 274	2810	4	0.11	57	600	< 8	26	0.22	49	< 10	22	< 10		
546171	205 274	3650	13	0.08	61	260	< 8	33	0.06	30	< 10	14	40		
546172	205 274	1785	4	5.71	141	480	< 8	46	0.07	24	< 10	30	10		
546173	205 274	745	6	4.30	54	370	< 8	43	0.16	136	< 10	58	40		
546174	205 274	240	1	1.23	48	760	< 8	34	0.17	85	< 10	6	60		
546175	205 274	2960	4	1.98	46	250	< 8	76	0.08	79	< 10	8	< 10		
546176	205 274	2600	2	1.28	81	520	< 8	32	0.25	66	< 10	14	30		
546177	205 274	2080	3	1.41	65	490	< 8	38	0.26	61	< 10	14	30		
546178	205 274	1360	4	1.77	198	290	< 8	26	0.22	49	< 10	14	30		
546179	205 274	4310	24	0.75	99	190	< 8	39	0.12	36	< 10	14	< 10		
546180	205 274	2580	1	3.62	28	920	< 8	50	0.12	40	< 10	12	20		

CERTIFICATION:

Hart Buchler


APPENDIX F
GEOLOGISTS' CERTIFICATES

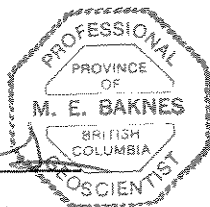
GEOLOGIST'S CERTIFICATE

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 30 and July 7, 1993, government publications and assessment reports filed with the Yukon.

DATED at Vancouver, British Columbia, this 24th day of February, 1994.


Mark E. Baknes, P.Geo.

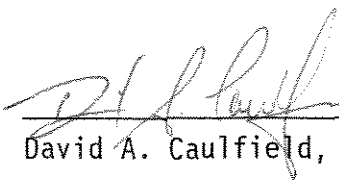


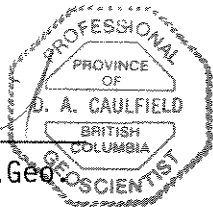
GEOLOGIST'S CERTIFICATE

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 30 and July 7, 1993, government publications and assessment reports filed with the Yukon.

DATED at Vancouver, British Columbia, this 29th day of February, 1994.


David A. Caulfield, P. Geoscientist



GEOLOGIST'S CERTIFICATE

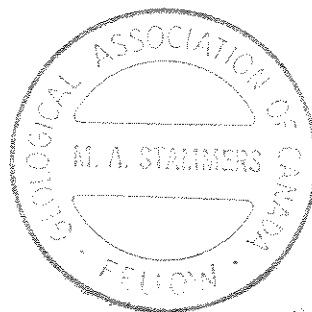
I, MICHAEL A. STAMMERS, of 941 Kennedy Avenue, North Vancouver, in the Province of British Columbia, DO HEREBY CERTIFY:

1. I am a graduate of McMaster University (1977) and hold a combined Honours B.A. in Geology and Geography.
2. I have practised in my profession with various mining companies in Yukon, British Columbia, the Northwest Territories, Nova Scotia and Venezuela for 20 years.
3. I am duly registered as a Professional Geoscientist in the Province of British Columbia (#18883).
4. I am a Fellow of the Geological Association of Canada.
5. This report is based on property work I personally completed and/or directly supervised between June 30 and July 8, 1993 combined with four years experience in the Wernecke terrain.
6. THAT I have no interest in the property described herein, nor in securities of any company associated with the property, nor do I expect to receive any such interest.
7. THAT I hereby grant permission to International Prism Exploration Ltd. for the use of this report in any prospectus or other documentation required by any regulatory authority.

DATED at Vancouver, B.C., this 24th day of FEBRUARY, 1994.



Michael A. Stammers, P.Ge., *FGAC

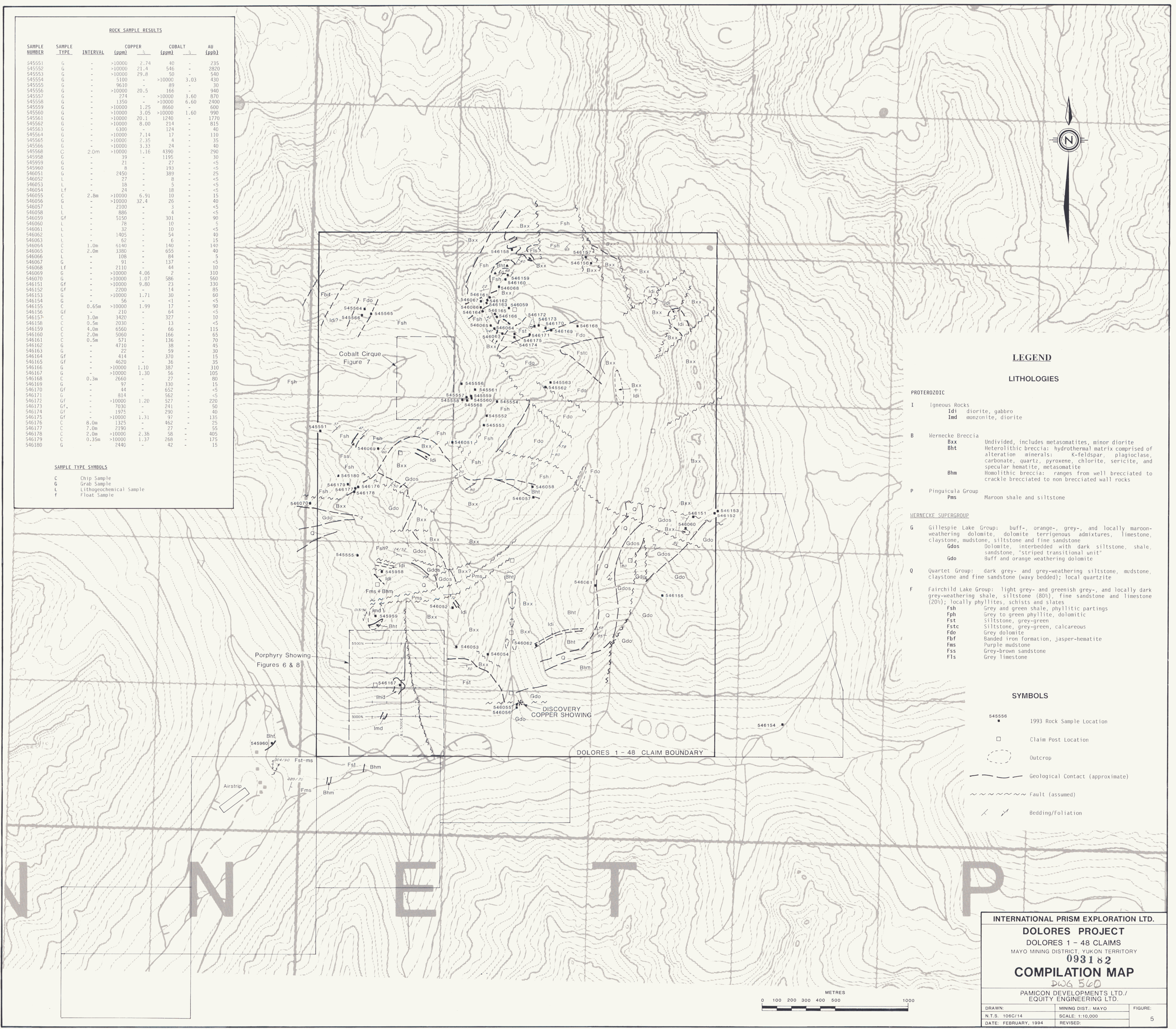


ROCK SAMPLE RESULTS

SAMPLE NUMBER	SAMPLE TYPE	INTERVAL	COPPER (ppm)	COBALT (ppm)	AU (ppb)		
545551	G	-	>10000	2.74	40	235	
545552	G	-	>10000	21.4	546	2820	
545553	G	-	>10000	29.8	50	540	
545554	G	-	5100	-	>10000	3.03	430
545555	G	-	3610	-	-	89	30
545556	G	-	>10000	20.5	166	940	
545557	G	-	274	-	>10000	3.60	870
545558	G	-	1350	-	>10000	6.60	2400
545559	G	-	>10000	1.25	8660	600	
545560	G	-	>10000	3.05	>10000	1.60	990
545561	G	-	>10000	20.1	1240	-	1770
545562	G	-	>10000	8.00	214	-	815
545563	G	-	5300	-	124	-	40
545564	G	-	>10000	7.14	17	-	110
545565	G	-	>10000	2.35	4	-	35
545566	G	-	>10000	3.33	24	-	40
545567	G	2.0m	>10000	1.16	4390	-	290
545568	G	-	39	-	1195	-	30
545569	G	-	21	-	27	-	<5
545570	G	-	8	-	193	-	<5
546051	G	-	2450	-	389	-	25
546052	L	-	27	-	8	-	<5
546053	L	-	18	-	5	-	<5
546054	Lf	-	24	-	18	-	<5
546055	C	2.0m	>10000	6.91	10	-	15
546056	G	-	>10000	32.4	26	-	40
546057	L	-	2100	-	3	-	<5
546058	L	-	886	-	4	-	<5
546059	Gf	-	5150	-	301	-	90
546060	L	-	78	-	10	-	5
546061	L	-	32	-	10	-	<5
546062	L	-	1405	-	54	-	10
546063	L	-	62	-	6	-	15
546064	C	1.0m	6140	-	140	-	140
546065	C	2.0m	3380	-	655	-	40
546066	L	-	108	-	84	-	5
546067	G	-	91	-	137	-	<5
546068	Lf	-	2110	-	44	-	10
546069	G	-	>10000	4.05	2	-	310
546070	G	-	>10000	1.07	586	-	560
546151	Gf	-	>10000	9.80	23	-	330
546152	Gf	-	2200	-	14	-	85
546153	G	-	>10000	1.71	30	-	60
546154	C	0.65m	>10000	1.99	17	-	90
546155	Gf	-	210	-	64	-	<5
546157	C	3.0m	3420	-	327	-	10
546158	C	0.5m	2030	-	13	-	<5
546159	C	4.0m	6560	-	66	-	115
546160	C	2.0m	6060	-	166	-	65
546161	C	0.5m	571	-	136	-	70
546162	G	-	4710	-	38	-	45
546163	G	-	22	-	59	-	30
546164	Gf	-	414	-	370	-	15
546165	Gf	-	4620	-	36	-	35
546166	G	-	>10000	1.10	387	-	310
546167	G	-	>10000	1.30	56	-	105
546168	C	0.3m	2660	-	27	-	80
546169	G	-	97	-	330	-	15
546170	Gf	-	44	-	652	-	<5
546171	C	-	814	-	562	-	<5
546172	Gf	-	>10000	1.20	527	-	220
546173	Gf	-	7030	-	241	-	50
546174	Gf	-	1975	-	290	-	40
546175	Gf	-	>10000	1.31	97	-	135
546176	C	8.0m	1325	-	462	-	25
546177	C	7.0m	2190	-	27	-	155
546178	C	2.0m	>10000	2.38	58	-	405
546179	C	0.35m	>10000	1.37	268	-	175
546180	G	-	2440	-	42	-	15

SAMPLE TYPE SYMBOLS

- C Chip Sample
- G Grab Sample
- L Lithochemical Sample
- f Float Sample



LEGEND

LITHOLOGIES

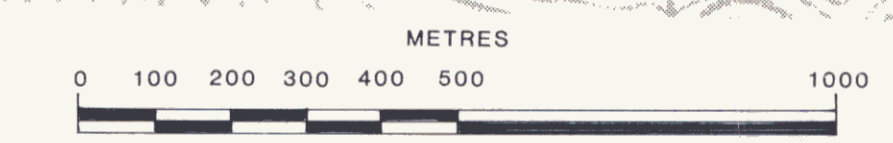
- PROTEROZOIC**
- I Igneous Rocks
 - Idi diorite, gabbro
 - Imd monzonite, diorite
 - B Wernecke Breccia
 - Bxx Undivided, includes metasomatites, minor diorite
 - Bht Heterolithic breccia: hydrothermal matrix comprised of alteration minerals: K-feldspar, plagioclase, carbonate, quartz, pyroxene, chlorite, sericite, and specular hematite, metasomatite
 - Bhm Homolithic breccia: ranges from well brecciated to crackle brecciated to non brecciated wall rocks
 - P Pingicula Group
 - Pms Maroon shale and siltstone
- WERNECKE SUPERGROUP**
- G Gillespie Lake Group: buff-, orange-, grey-, and locally maroon-weathering dolomite, dolomite terrigenous admixtures, limestone, claystone, mudstone, siltstone and fine sandstone
 - Gdos Dolomite, interbedded with dark siltstone, shale, sandstone, "striped transitional unit"
 - Gdo Buff and orange weathering dolomite
 - Q Quartet Group: dark grey- and grey-weathering siltstone, mudstone, claystone and fine sandstone (wavy bedded); local quartzite
 - F Fairchild Lake Group: light grey- and greenish grey-, and locally dark grey-weathering shale, siltstone (80%), fine sandstone and limestone (20%); locally phyllitic, schists and slates
 - Fsh Grey and green shale, phyllitic partings
 - Fph Grey to green phyllite, dolomitic
 - Fst Siltstone, grey-green
 - Fstc Siltstone, grey-green, calcareous
 - Fdo Grey dolomite
 - Fbf Banded iron formation, jasper-hematite
 - Fms Purple mudstone
 - Fss Grey-brown sandstone
 - Fls Grey limestone

SYMBOLS

- 546556 1993 Rock Sample Location
- Claim Post Location
- Outcrop
- - - Geological Contact (approximate)
- ~ ~ ~ Fault (assumed)
- Bedding/Foliation

INTERNATIONAL PRISM EXPLORATION LTD.
DOLORES PROJECT
 DOLORES 1 - 48 CLAIMS
 MAYO MINING DISTRICT, YUKON TERRITORY
 093182
COMPILATION MAP
 DWG 560
 PAMICON DEVELOPMENTS LTD./
 EQUITY ENGINEERING LTD.

DRAWN:	MINING DIST.: MAYO	FIGURE:
N.T.S. 106C/14	SCALE: 1:10,000	5
DATE: FEBRUARY, 1994	REVISED:	



LEGEND

LITHOLOGIES

PROTEROZOIC

WERNECKE SUPERGROUP

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

Fsl grey slate

Fph pale grey and green phyllite, sericite-carbonate-quartz altered slate?

ALTERATION

Alteration Minerals

CB iron carbonate

MS sericite/muscovite

QZ quartz

Alteration Intensity

1 weak

2 moderate

3 strong

MINERALIZATION

CP - chalcopyrite

CO - cobaltite

ER - erythrite

HS - specular hematite

SYMBOLS

----- Geological contact (approximate)

-x-x-x- Alteration contact

~~~~~ Fault (assumed)

Bedding

Foliation

Antiform, direction of plunge

Dyke or vein

Joints (A-C joints)

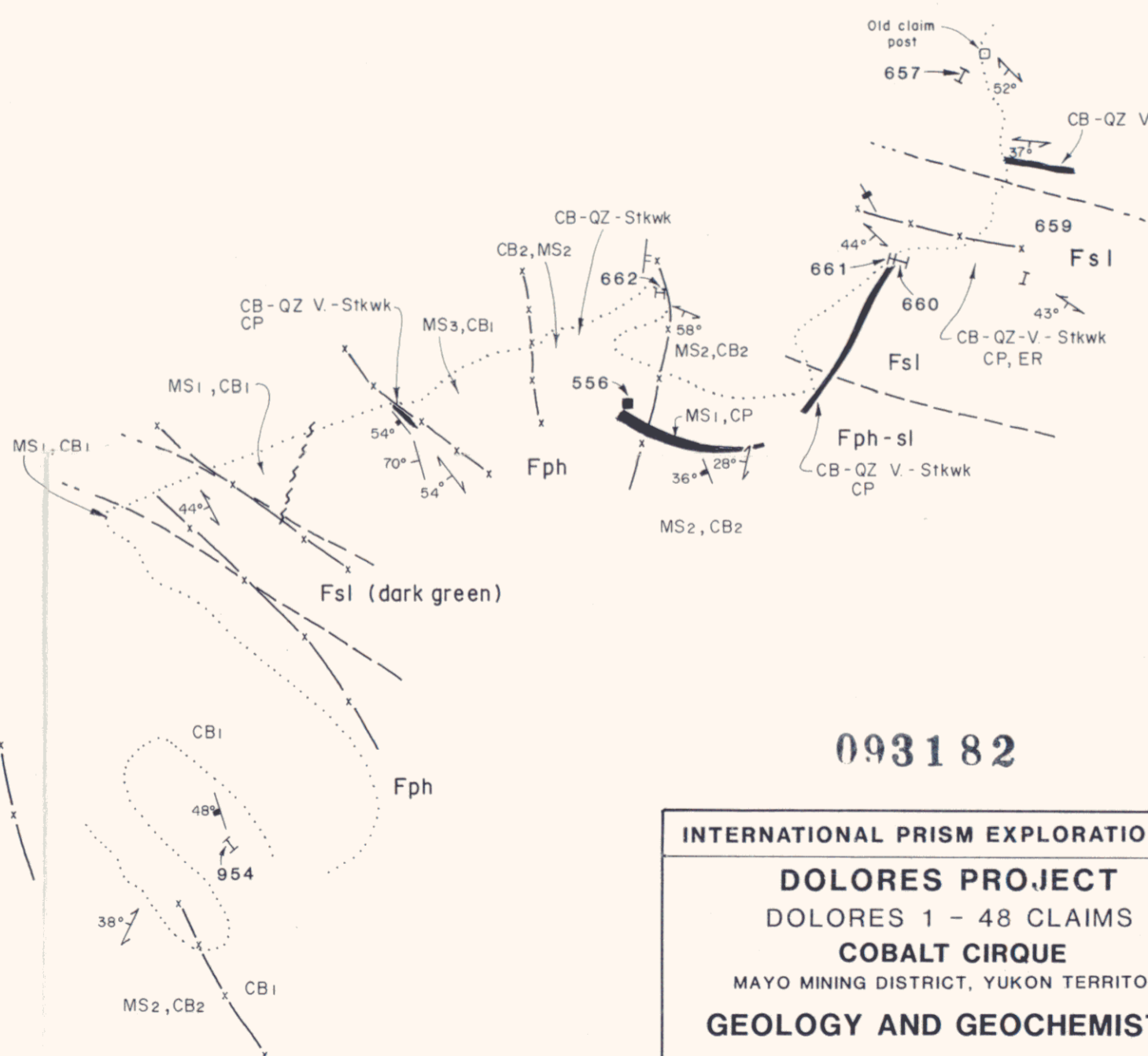
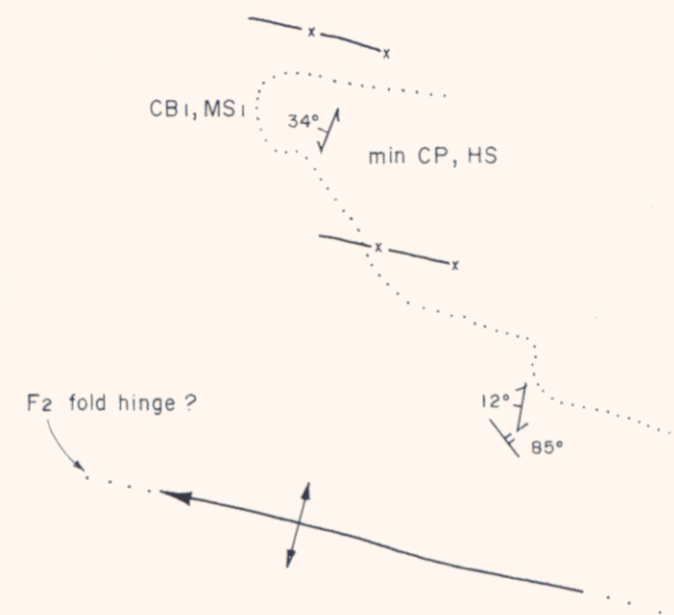
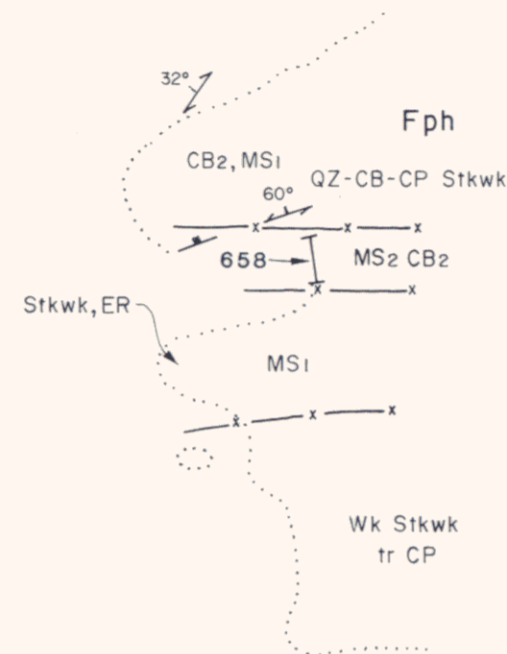
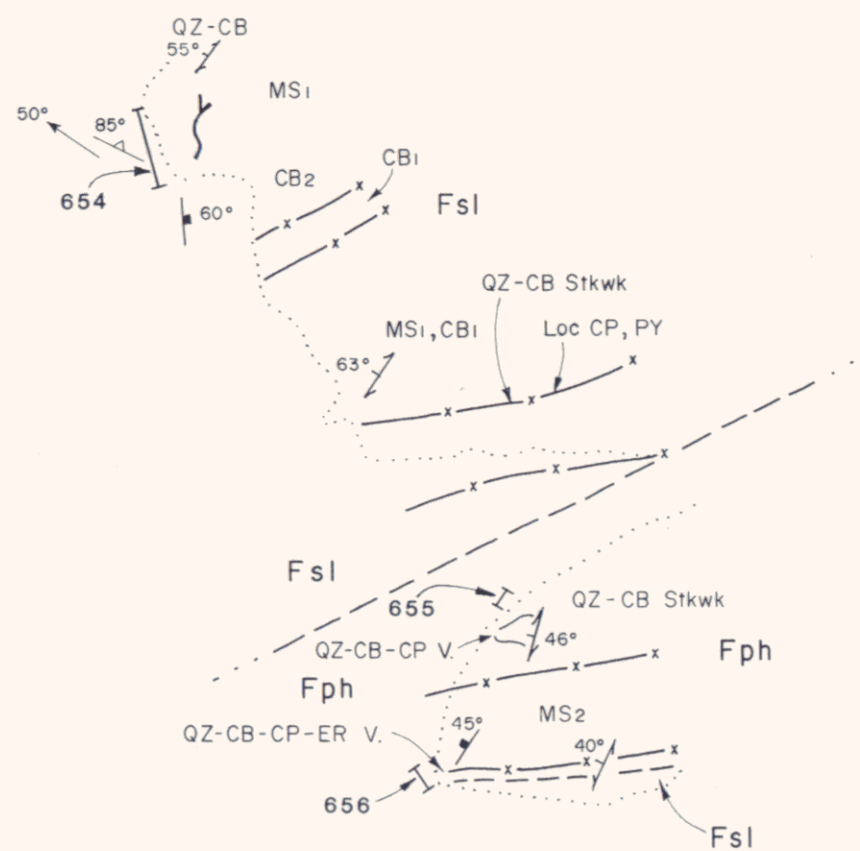
Chip Sample

Grab Sample

Only last 3 digits of sample shown.

**1993 ROCK SAMPLE RESULTS**

| Sample | Width (m) | Cu (ppm) | Co (ppm) | Au (ppb) |
|--------|-----------|----------|----------|----------|
| 545556 | grab      | 20.5%    | 166      | 940      |
| 545654 | 8.0       | 100      | 35       | <5       |
| 545655 | 0.9       | 178      | 103      | <5       |
| 545656 | 1.6       | 3680     | 64       | 90       |
| 545657 | 2.1       | 4630     | 18       | 30       |
| 545658 | 5.0       | 848      | 115      | <5       |
| 545659 | 0.2       | 2080     | 3320     | 30       |
| 545660 | 3.0       | 2490     | 384      | 40       |
| 545661 | 1.0       | 1.51%    | 155      | 200      |
| 545662 | 1.8       | 5560     | 111      | 65       |
| 545954 | 0.8       | 224      | 391      | <5       |
| 545955 | 4.5       | 196      | 1354     | 35       |
| 545956 | 2.0       | 4998     | 109      | 45       |



093182

INTERNATIONAL PRISM EXPLORATION LTD.

**DOLORES PROJECT**

DOLORES 1 - 48 CLAIMS

**COBALT CIRQUE**

MAYO MINING DISTRICT, YUKON TERRITORY

**GEOLOGY AND GEOCHEMISTRY**

PAMICON DEVELOPMENTS LTD./ EQUITY ENGINEERING LTD.

|                 |                   |         |
|-----------------|-------------------|---------|
| DRAWN:          | MINING DIST. MAYO | FIGURE: |
| N.T.S. 106C/14  | SCALE: 1:1000     | 7       |
| DATE: FEB./1994 | REVISED:          |         |