MAP NO.: 106C 14

ASSESSMENT REPORT
PROSPECTUS
CONFIDENTIAL X
OPEN FILE

DOCUMENT NO: 093115
MINING DISTRICT: MAYO
TYPE OF WORK: GEOCHEMICAL

REPORT FILED UNDER: PAMICON DEVELOPMENTS LTD

DATE PERFORMED: SEPT 3, 6, 1992

DATE FILED: JUNE 11, 1993

LOCATION: **LAT.:** 64°59'N

AREA: FAIRCHILD LAKE

LONG.: 133°16'W

VALUE $: 9,000

CLAIM NAME & NO.:
RAM 1-20 (YB28672-YB28691)

WORK DONE BY: MICHAEL A STAMMERS

WORK DONE FOR: WESTMIN RESOURCES LTD.

DATE TO GOOD STANDING:

REMARKS: WERNECKE BRECCIAS BEING EVALUATED FOR OLYMPIC DAM TYPE CU U, AU, AG MINERALIZATION. 47 LITHOGEOCHEMICAL SAMPLES AND ONE SILT SAMPLE WERE COLLECTED. ASSAYS RETURNED AS HIGH AS 6.38% CU.

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

M.R. file no.

R.M.M.R. file no.

Date forwarded JUN 15 1993

TRANSMITTAL FORM

From ▶ Mining Recorder at: **MAYO, YUKON**

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

OFFICE OF THE REGIONAL MANAGER MINERAL RIGHTS JUN 21 1993 WHITEHORSE YUKON TERRITORY

For action are:

- ☐ NEW APPLICATION FOR PLACER LEASE TO PROSPECT — Name
- ☐ RENEWAL APPLICATION PLACER LEASE TO PROSPECT — Name — Lease no.
- ☐ AFFIDAVIT OF EXPENDITURE ON PLACER LEASE — Name — Lease no.
- ☐ SECURITY DEPOSIT
- ☐ FINANCIAL ABILITY
- ☐ ASSIGNMENT OF PLACER LEASE NO. — From — To
- ☐ GROUPING APPLICATION UNDER SEC. 52(2) PLACER MINING ACT. — Owner
- ☐ DIAMOND DRILL LOGS — Claims — Claim sheet no.
- ☑ QUARTZ ASSESSMENT REPORT — Claims: Ram 1-20 — Claim sheet no.: 106-C-14
  - Type of report: Geochemical
  - Submitted by: Pamicon Developments Ltd / Michael A. Stammers
  - Cls. work performed on
  - $ req. for ren. application: 9000.00

Graham
Signature

Date returned

REPLY ACTION

093115

Signature

802-6027-26 (6-86)

1992 GEOCHEMICAL REPORT
ON THE
RAM 1-20 MINERAL CLAIMS

Mayo Mining District
Yukon Territory
NTS 106C/14
64°59' North Latitude
133°16' West Longitude

093115

- Prepared for -
WESTMIN RESOURCES LTD.

- Prepared by -
MICHAEL A. STAMMERS, P.Geo.

DATES WORK PERFORMED: September 3 and 6, 1992

DATE OF REPORT: December, 1992

This report has been accepted by the Geological Evaluation Unit under Section 53 (1) Yukon Quartz Mining Act and is allowed as representation work in the amount of $ 9,000.

Dennis J. Cockfield

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

1992 GEOCHEMICAL REPORT ON THE RAM 1-20 MINERAL CLAIMS

TABLE OF CONTENTS

1.0 INTRODUCTION

The Ram 1-20 claims are located in the Wernecke Mountains, approximately 200 kilometres northeast of Mayo in east central Yukon (Figure 1). The Wernecke Mountains are cored by at least 14,000 metres of generally fine-grained terrigenous and carbonate rocks of Helikian age that have been penetrated by mineralized breccias and cut by mafic sills and dykes. Exploration to date in the Wernecke Mountains has been directed sporadically at copper from the early 1900s until the discovery of uranium mineralization associated with hematite breccias in 1974. Occurrences of copper and breccia-related copper-gold-cobalt mineralization have been noted in the basin, but were largely by-passed in the search for uranium and lead-zinc deposits between 1974 and 1980. The geological setting of the Wernecke Mountains is excellent for hosting Olympic Dam copper-uranium-gold-silver breccia type and the Ram property was acquired on this basis.

Lithogeochemical sampling, prospecting and geological mapping work was carried out over the Ram property on September 3 and 6, 1992. This work program was conducted jointly by Pamicon Developments Ltd. and Equity Engineering Ltd. for Westmin Resources Ltd. The same companies have been retained to report on the fieldwork.

2.0 LIST OF CLAIMS

The Ram property comprises 20 contiguous quartz mineral claims, located in the Mayo Mining District (Figure 2). Government records indicate that the following claims are owned by M. Stammers of North Vancouver, B.C. Separate documents indicate that they are held under option by Westmin Resources Ltd.

Claim Data

Claim Name	Record Numbers	Record Date	Expiry Date*
Ram 1-20	YB28672-YB28691	July 5, 1992	December 31, 1997

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

WESTMIN RESOURCES LIMITED

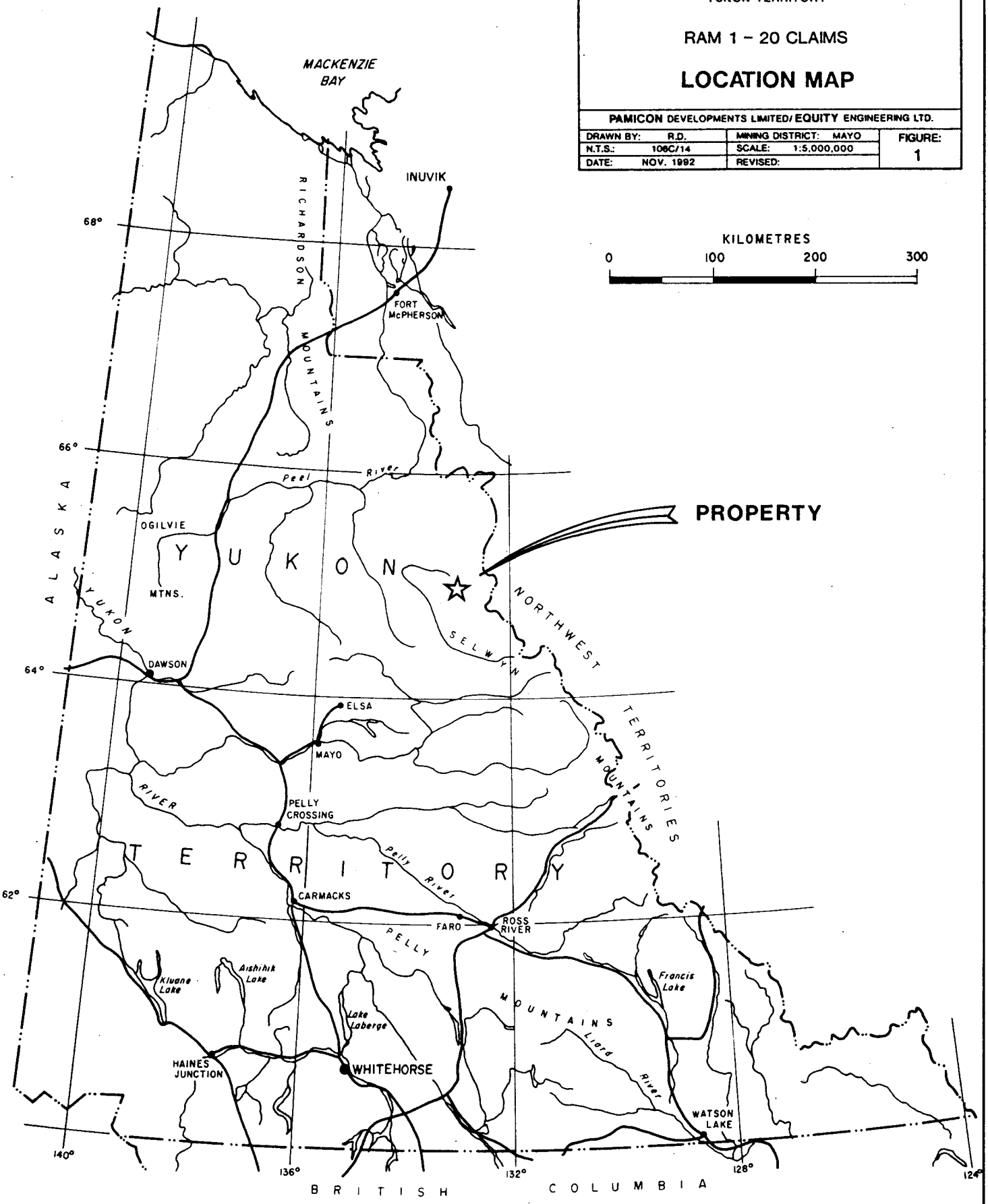
FAIRCHILD LAKE PROJECT
YUKON TERRITORY

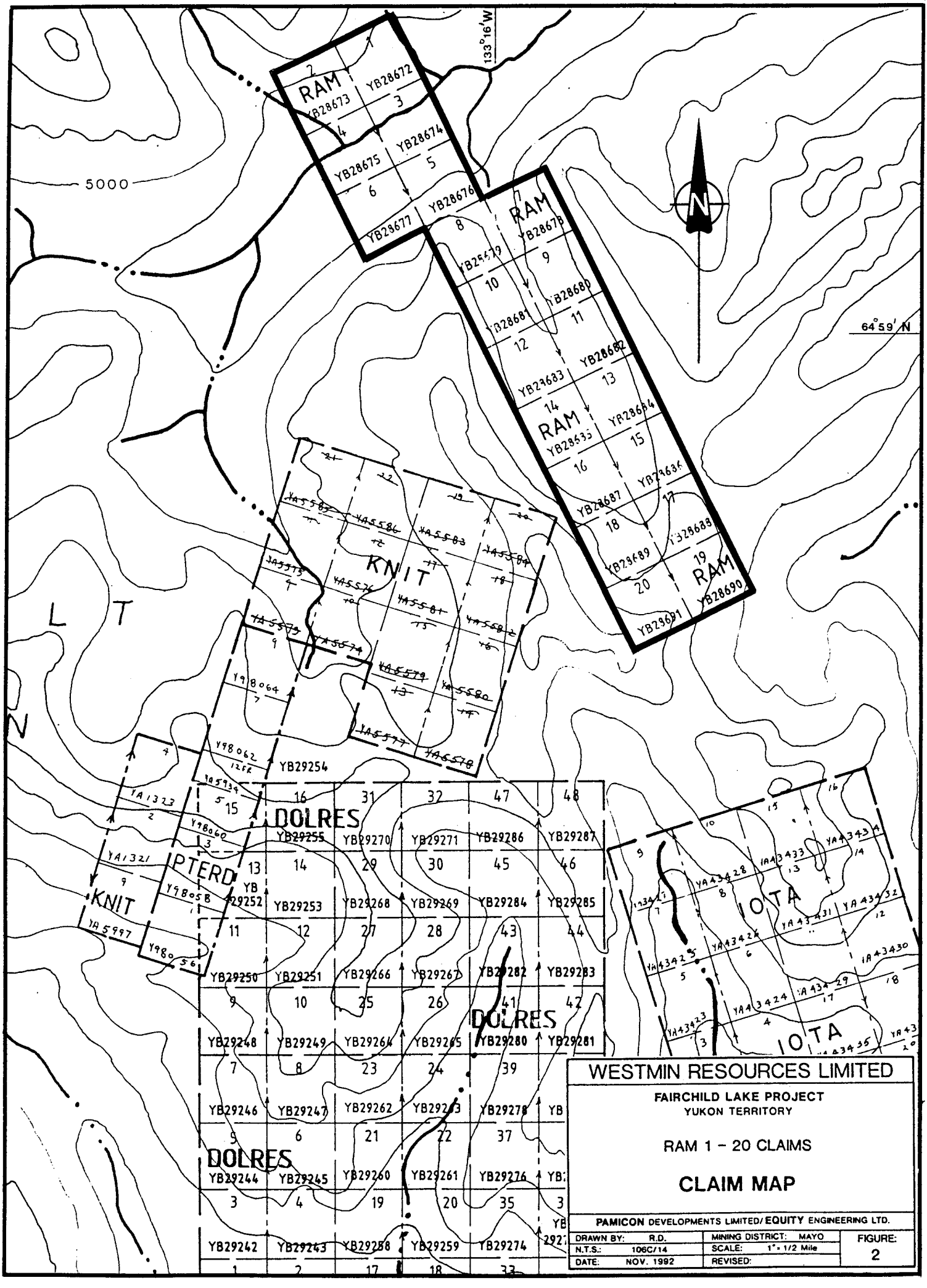
RAM 1 - 20 CLAIMS

LOCATION MAP

PAMICON DEVELOPMENTS LIMITED/ EQUITY ENGINEERING LTD.

DRAWN BY: R.D.	MINING DISTRICT: MAYO	FIGURE: 1
N.T.S.: 106C/14	SCALE: 1:5,000,000	
DATE: NOV. 1992	REVISED:	




133°16'W
64°59'N
5000
RAM
YB28672
YB28673
YB28674
YB28675
YB28676
YB28677
YB28678
YB28679
YB28680
YB28681
YB28682
YB28683
YB28684
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YB28691
KNIT
PTERD
DOLRES
IOTA
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N
WESTMIN RESOURCES LIMITED
FAIRCHILD LAKE PROJECT
YUKON TERRITORY
RAM 1 - 20 CLAIMS
CLAIM MAP
PAMICON DEVELOPMENTS LIMITED/ EQUITY ENGINEERING LTD.
DRAWN BY: R.D.
N.T.S.: 106C/14
DATE: NOV. 1992
MINING DISTRICT: MAYO
SCALE: 1" = 1/2 Mile
REVISED:
FIGURE: 2

3.0 LOCATION, ACCESS AND PHYSIOGRAPHY

The Ram property is located in the Wernecke Mountains of east central Yukon, approximately 200 kilometres northeast of Mayo (Figure 1). The claim group is located 23 kilometres east of Fairchild Lake near the headwaters of a north-east flowing tributary of Snake River. Coordinates are 64°59' north latitude and 133°16' west longitude.

The project area is accessible from Mayo by float plane to Fairchild Lake and by wheeled aircraft to the 800 metre long, gravel airstrip at Bear River. Other airstrips in the area including Dolores Creek are no longer service-able. The village of Mayo has scheduled air service from Whitehorse and is located on the Silver Trail Highway (#11), a branch of the Klondike Highway (#2).

Access during the 1992 field program was by DC3 aircraft from Mayo to the Bear River airstrip and thence by helicopter 7.5 kilometres northeast to a basecamp established on the company's Mica claims. The Ram property lies 43.0 kilometres east-northeast of the basecamp and was reached by helicopter.

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

Elevations on the Ram property range from 1135 to 2135 metres above sea level and relief is gentle in the main U-shaped valleys becoming steep to extreme reaching ridge crests. All of the property lies above tree line and a glacier with associated lateral and terminal morraine features occupies the upper portion of the valley in the southern claims. Some dwarf alder and willow

bush are found at lower elevations in the main creek valley. Climate in the area is characterized by long, cold winters and short warm summers with June, July and August the best months for exploration.

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 early 1960s when California Standard Company through their subsidiary Crest Exploration Limited worked on their world class banded iron deposit in the Snake River area. Drilling outlined 18.6 billion tonnes averaging 47% iron in the Hadrynian Rapitan Group (Yeo, 1986).

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

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

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

The property area was first staked in 1976 as the Ram 1-48 claims (subsequently lapsed) and work between 1977 and 1980 by Pan Ocean Oil Ltd. included geological mapping, prospecting, geophysics, soil/silt geochemistry, and minor hand trenching of one of several uranium-cobalt-copper occurrences (Yukon assessment reports 90284, 90421, 90589). Other claim holdings in the immediate area include Archer-Cathro's Pterd & Knit group, Pamicon-Equity's Dolores claims, and J. Hajek's Iota & Ram claims. Refer to figure 2 for present claim location.

5.0 1992 EXPLORATION PROGRAM

On September 3 and 6, 1992, Westmin Resources Ltd. carried out a preliminary exploration program on the Ram property, consisting of lithogeochemical sampling, prospecting and geological mapping. The program was designed to determine the potential for an Olympic Dam copper-uranium-gold-silver breccia type deposit. A total of 48 lithogeochemical, 31 grab samples, 1 chip sample and 1 stream silt sample was taken. In addition, 2 grab samples (19929 & 19930) taken during claim staking were analysed in November.

Lithogeochemical samples were taken approximately 100 metres apart, generally along contours where outcrop exposures and talus slopes were accessible for sampling. The purpose of these samples was threefold: (1) to determine the tenure of copper mineralization as a bulk tonnage target, (2) to locate areas where chalcocite may be present, and (3) to define geochemical trends within the hematite breccias and into the surrounding sedimentary rocks. Rock sample descriptions and analytical certificates and procedures are found in the appendices. Rock samples were analyzed geochemically for gold, lanthanum,

uranium and 24-element ICP. Samples exceeding 10,000 ppm copper were assayed. In the field, sample locations were marked by a metal tag and a combination of pink and blue flagging. Approximate UTM coordinates were derived from known topographical features combined with altimeter derived elevations and compass and hipchain measurements for each sample site.

Geological mapping was carried out on a scale of 1:10,000 and was generally limited to the lithogeochemical sample lines. Prospectors focused on the breccia unit and relied on following up mineralization located in talus by moving upslope.

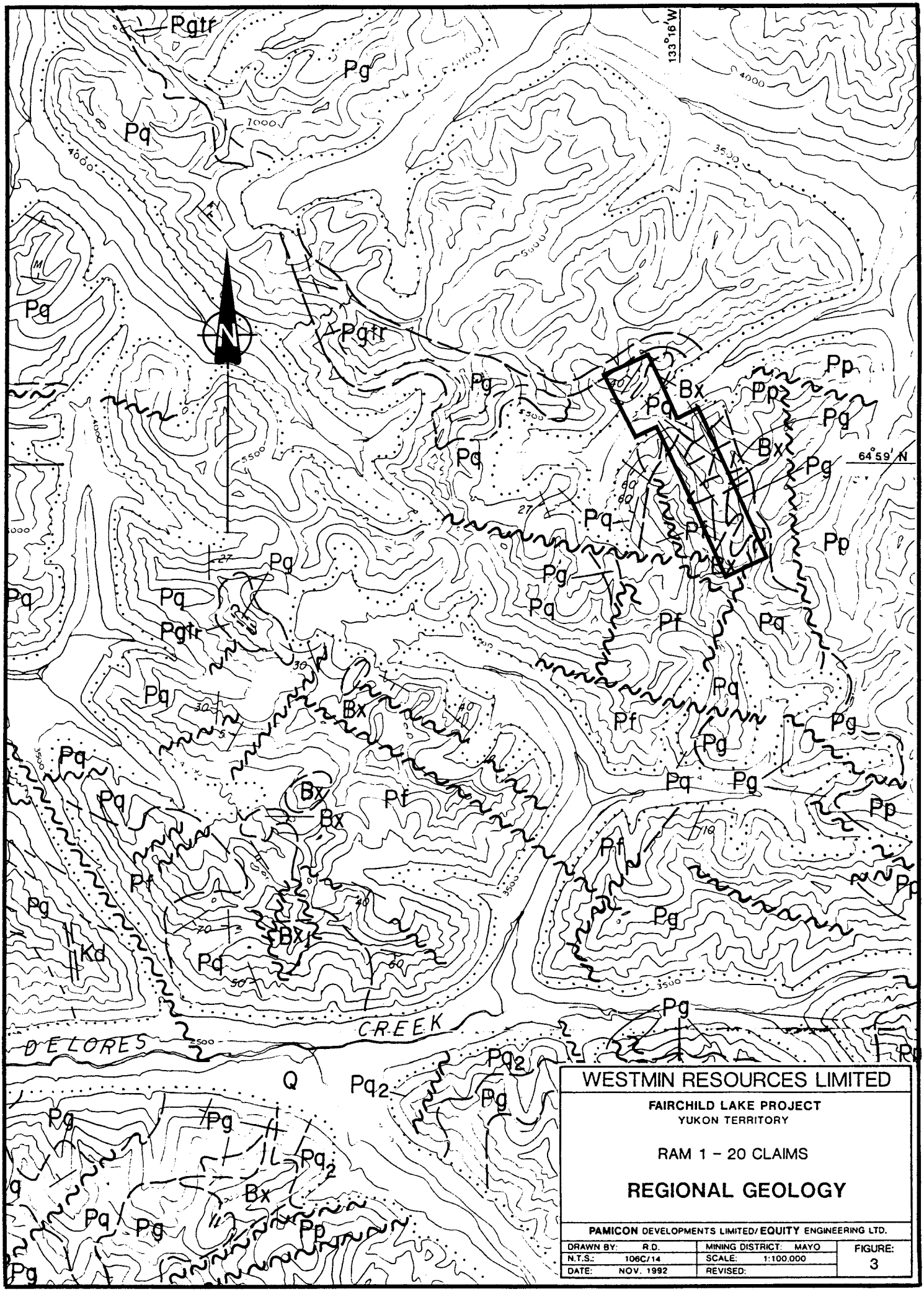
6.0 REGIONAL GEOLOGY (Figure 3)

This summary of the regional geology is based on work by Delaney (1985) and by Pamicon Developments Ltd. (unpublished, 1977). References to earlier work are cited by Delaney.

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

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

The main structural components of the Wernecke terrane are the southeast trending fault splays (Deslauriers, Knorr and Snake River Faults) of the



WESTMIN RESOURCES LIMITED

FAIRCHILD LAKE PROJECT
YUKON TERRITORY

RAM 1 - 20 CLAIMS

REGIONAL GEOLOGY

PAMICON DEVELOPMENTS LIMITED/ EQUITY ENGINEERING LTD.

DRAWN BY: R.D.	MINING DISTRICT: MAYO	FIGURE: 3
N.T.S.: 106C/14	SCALE: 1:100,000	
DATE: NOV. 1992	REVISED:	

LEGEND

(to accompany Figure 3)

LITHOLOGIES

QUATERNARY

Q Unconsolidated glacial and alluvial deposits.

CRETACEOUS(?)

Kd Diabase

Kdi Diorite

PALEOZOIC

P 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.

Pq_1 Black shale with sandstone and shale interbeds, quartzite.

Pq_2 Pyritic quartzite.

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

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

SYMBOLS

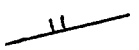
Geological contact (defined, approximate, assumed)

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

Richardson Fault Array. These faults are interpreted to be deep-seated, long-lived, vertical structures which have undergone considerable right lateral and vertical movement.

7.0 PROPERTY GEOLOGY AND MINERALIZATION (Figure 4)

The Ram claim group is underlain by a complexly folded and faulted sequence of Proterozoic Wernecke Supergroup strata cut by hematite breccia and gabbroic intrusive rocks. Pinguicula Group sediments outcrop just east of the property and comprise maroon and green shale and siltstone. The geology shown on Figure 4 is derived in part by work completed by the author in 1977 (Yukon assessment report 90284).

Helikian-age Wernecke sediments on the property include Fairchild Lake Group carbonates and siltstones, Quartet Group dark grey weathering shale, siltstone, and sandstone, and Gillespie Lake Group orange weathering dolomite and minor shale. Additional mapping is required to determine the structural and stratigraphic relationships between the three units. Several, irregularly shaped hematite breccia bodies outcrop along the entire length of the property and were the focus of the 1992 lithogeochem sampling program. Both plug and sill-like gabbro bodies are spatially associated with the breccia unit. Copper mineralization found to date on the property appears related with one of the following: breccia emplacement and metasomatism of adjoining sediments, gabbroic intrusions, copper shales, and structurally controlled iron carbonate replacement zones.

Fairchild Lake Group rocks outcrop on the north and west side of the property and consist of light grey to green, bluff weathering calcareous siltstone, dolomite, limestone and minor interbedded slate and shale. The unit is locally silicified, skarnified or hornfelsed. Banded iron formation and jasper with possible associated copper shales was found in float within the Fairchild Lake Group map area. Due to extensive alteration near breccia and gabbro bodies exact contacts are difficult to plot.

133° 16' W

64° 59' N

N

Pq
Pf
Bx
Gb
Pg ?

4000
5000
6000
6500

7962 7961 7729 7728 7727 7726 7960 7724 7725 7959
7089 7088 7087 7859 7858 7086 7085 7958 7857 7856
7084 7083 7082 7945 7078 7946 7947 7944 7942 7956 7943 7957 7941 7721 7055 7080 7056 7948 7079 (3.0m)
7940 7720 7054 7949 7053 7855 7854
7719 7718 7939 7717 7938 7716 7853 7852 7715 7714 7713 7937 7936 7712 7052 7051 19930 7711 7710 7709 7708 7707 8400 92-BK-01 19929 7833 7834 8399 7835 7836 7837 7838 7839 7840 7841 7842

55

LEGEND

LITHOLOGIES

PROTEROZOIC

Gb GABBRO: minor breccia
Bx HEMATITE BRECCIA: Heterolithic and homolithic breccia and metasomatite

WERNECKE SUPERGROUP

Pg GILLESPIE LAKE GROUP: Orange weathering dolomite and minor interbedded grey shale
Pq QUARTET GROUP: Black shale, siltstone and quartzite
Pf FAIRCHILD LAKE GROUP: Calcareous siltstone, limestone; minor dolomite, slate and shale

SYMBOLS

Geological contact (assumed)
25 Bedding
○ Silt geochemical sample
▲ △ Lithogeochemical sample (in situ, float)
■ □ Select, grab sample (in situ, float)
× Chip sample (tag number - interval)

Note: Only last four digits in sample number shown (eg. 7837 = 547837)

LITHOGEOCHEMICAL SAMPLE RESULTS

Sample Number	Copper (ppm/%)	Gold (ppb)	Sample Number	Copper (ppm/%)	Gold (ppb)
547051	<1	<5	547834	1	<5
547052	2920	<5	547835	21	<5
547053	9	<5	547836	89	5
547054	364	<5	547837	1	20
547055	4	<5	547838	2	<5
547056	4	<5	547839	2	35
547078	12	<5	547840	48	10
547079	3168	45	547841	18	<5
547080	1960	30	547842	9	<5
547081	26	15	547852	24	<5
547082	190	10	547853	12	<5
547083	1.02%	35	547854	4	<5
547084	128	<5	547855	6	<5
547085	76	<5	547856	16	10
547086	17	<5	547857	1695	15
547087	23	<5	547858	10	<5
547088	2	<5	547859	189	<5
547089	109	<5	547936	840	10
547707	4	<5	547937	3.30%	115
547708	9	<5	547938	1.29%	340
547709	78	<5	547939	338	55
547710	3	<5	547940	4094	135
547711	6	<5	547941	177	5
547712	4	<5	547942	2.03%	210
547713	2	<5	547943	1.44%	205
547714	5448	25	547944	6321	25
547715	87	<5	547945	5452	100
547716	24	<5	547946	8443	535
547717	9	<5	547947	1.42%	435
547718	34	<5	547948	7683	225
547719	21	<5	547949	3083	40
547720	4	<5	547956	6.38%	170
547721	9	<5	547957	3.12%	270
547724	50	<5	547958	4.13%	45
547725	39	<5	547959	1.04%	170
547726	6	<5	547960	6890	60
547727	3380	25	547961	2.09%	250
547728	9	<5	547962	3.94%	20
547729	8	<5	548399	57	<5
547833	159	<5	548400	7	<5
19929*	791	10	19930*	6336	<5

SILT SAMPLE RESULT	92-BK-01	94	10

*June 1992 Samples

093115

PROFESSIONAL GEOSCIENTIST
PROVINCE OF BRITISH COLUMBIA
M. A. STAMMERS

metres
0 200 400 600

WESTMIN RESOURCES LIMITED

FAIRCHILD LAKE PROJECT
YUKON TERRITORY

RAM 1 - 20 CLAIMS

ROCK GEOCHEMISTRY

PAMICON DEVELOPMENTS LIMITED/ EQUITY ENGINEERING LTD.

DRAWN BY: R.D.	MINING DISTRICT: MAYO	FIGURE: 4
N.T.S.: 106C/14	SCALE: 1:10,000	
DATE: NOV. 1992	REVISED:	

Quartet Group rocks are fine grained, weakly metamorphosed clastic sediments that weather either grey or black and include carbonaceous shale and silty or banded sandstone. This unit outcrops in the east claims and appears to conformably overlie Fairchild Lake Group strata.

The Gillespie Lake unit comprises orange weathering, medium to massively bedded dolomite with minor interbeds of tan grey shale. The distinctive Transitional Zone separating Gillespie from Quartet strata was not observed.

Large irregular shaped bodies of heterolithic, homolithic, and carbonate hematite breccia are exposed over the entire length of the claims and appear centred on an axis that parallels the claim line following the creek. The breccia is frequently in contact with gabbro and may be emplaced along a common structure. Contacts with adjoining strata are often indistinct and large, poorly defined aureoles of metasomatites are common. This blocky grey weathering, breccia generally contains specular hematite, local pyrite and magnetite. Both well rounded and angular fragments of metasediments up to 15 cm long are pervasively altered and are set in either a carbonate or siliceous matrix. Common alteration minerals include chlorite, sericite, silica, albite hematite and carbonate.

Several, variable sized medium grey-green weathering intrusive plugs, dykes or sills of probable gabbro composition were mapped. The gabbro contains up to 2% pyrite and similar local concentrations of magnetite. Chalcopyrite occurs locally in minor amounts. Chlorite alteration prevails with lesser epidote and the unit is frequently cross-cut by potassic feldspar fracture fillings.

Copper mineralization comprising chalcopyrite, malachite, azurite, rare bornite and possible chalcocite was identified at several localities. A total of 31 grab samples and 1 chip sample were collected from the Ram claims in September. In addition, 2 grab samples (19929 and 19930) taken during June claim staking were analyzed in November.

Average results returned from the 21 prospector samples are 1.64% Cu and 163 ppb Au and 2900 ppm Cu and 17 ppb Au from 12 geologists grab samples. A 3.0 metre chip sample taken across chalcopyrite bearing altered metasediments ran 3168 ppm Cu (547079). Refer to Figure 4 for sample locations.

Selected results from the different styles of mineralization follow:

Prospecting work located several well mineralized hematite breccia bodies containing chalcopyrite that selectively assayed 2.03% Cu (547942) and 1.44% Cu (547943).

Probable sedimentary copper was found in float at two localities on the Ram 14 claim with grab samples 547714 and 547937 returning values of 5448 ppm and 3.30% Cu respectively. Chalcopyrite occurs both in cross cutting fractures and along laminations in shale and siltstone. Minor erythyrite was found in the host rocks and appears associated with cross cutting carbonate veinlets.

Chalcopyrite is also associated with fractures in gabbro and with carbonate replacement zones where select grab samples (547947 & 547727) returned respective values of 1.42% and 3380 ppm Cu. A 10-25 cm wide shear zone with semi-massive chalcopyrite assayed 6.38% Cu (sample 547956) on the Ram 10 claim while a sample (547960) mineralized with bornite and chalcopyrite and taken from the old uranium showings on Ram Creek ran 6890 ppm Cu and 1180 ppm U.

Mineralization also includes abundant specular hematite, minor magnetite, and pyrite in the hematite breccia and nearby sediments. Other elements reporting high values but without associated visual mineralization include molybdenum to 1624 ppm, tungsten to 700 ppm, zinc to 844 ppm, lanthanum to 600 ppm, cobalt to 2244 ppm, silver to 11.0 ppm and bismuth to 100 ppm.

8.0 ROCK AND SILT GEOCHEMISTRY (Figure 4)

A total of 48 lithogeochemical samples and 1 stream silt sample was collected

from the Ram claims in September. Where possible, bedrock was sampled every 100 metres and if absent coarse talus was substituted. Figure 4 gives sample type, tag number and a table of results including copper and gold.

Copper results vary according to host rock type. For the lithogeochemical work, a breakdown includes 31 breccia, 10 metasediments and 7 gabbro samples. Respective average values for each group are 22, 21 and 322 ppm Cu. The gabbro unit and or the structure it occupies is clearly related to elevated copper values.

Cobalt results vary between 7 and 98 ppm, while gold values range from <5 (41 of 48 samples) to 35 ppb. All results are reported in the appendices.

A single stream sediment sample taken near the valley headwaters ran 94 ppm Cu and 10 ppb Au.

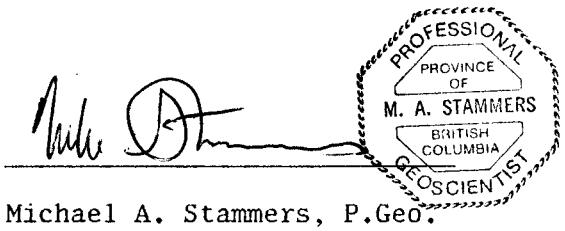
9.0 CONCLUSIONS AND RECOMMENDATIONS

The Ram 1-20 mineral claims were staked in June 1992 to cover a hematite breccia complex during the course of an acquisition program pursuing Olympic Dam type copper-gold-uranium-silver deposits. Total time spent on the property was eight man days with the majority of the work restricted to the main valley breccia bodies. Steep terrain and poor late season access due to snow cover and limited time on the property resulted in an incomplete evaluation. Results of the lithogeochemistry, prospecting and mapping program located several copper showings associated with several mineralogical settings. Both the sediment and breccia hosted showings hold the greatest potential to host significant copper mineral resources.

Further work on the property is advised and retention of the entire Ram 1-20 mineral claims is recommended. An exploration program comprising systematic sampling and mapping of known showings is required in order to determine

whether sufficient tonnage and grade is present to support a future mining operation. A high priority, early in the program will be locating the source of sedimentary copper float.

Respectfully submitted,



Michael A. Stammers, P.Geo.

APPENDIX I

BIBLIOGRAPHY

BIBLIOGRAPHY

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

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

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

Pamicon Developments Ltd (1977) Unpublished Company Report

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

APPENDIX II

LIST OF PERSONNEL

LIST OF PERSONNEL

RAM 1-20 MINERAL CLAIMS

AUGUST 10 TO SEPTEMBER 10, 1992

M. Stammers 711, 675 West Hastings Street Vancouver, B.C. V6B 1N4	Senior Geologist	4 days
M. Jones 904, 1055 Dunsmuir Street Vancouver, B.C. V7X 1C4	Geologist	2 days
E. Debock 711, 675 West Hastings Street Vancouver, B.C. V6B 1N4	Senior Prospector	3 days
B. Kasper 207, 675 West Hastings Street Vancouver, B.C. V6B 1N2	Field Geologist	3.5 days
K. Parsons c/o TNTA Carmacks, Yukon	Cook	1.5 days

APPENDIX III

COST STATEMENT

CANADA) In the matter of an evaluation program on the Ram 1-20 Mineral
) Claims

I, Mike Stammers for Pamicon Developments Ltd., 711, 675 West Hastings Street, Vancouver, B.C. do solemnly declare that a program consisting of lithogeochemical sampling, geological mapping, and prospecting was carried out on the Ram Mineral Claims during the period August 10 to September 10, 1992.

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

WAGES

M. Stammers (Sr. Geologist) - 4 days @ $375.00 711, 675 West Hastings Street Vancouver, B.C. V6B 1N4	$ 1,500.00	
M. Jones (Geologist) - 2 days @ $225.00 904, 1055 Dunsmuir Street Vancouver, B.C. V7X 1C4	450.00	
E. Debock (Sr. Prospector) - 3 days @ $250.00 711, 675 West Hastings Street Vancouver, B.C. V6B 1N4	750.00	
B. Kasper (Field Geologist) - 3.5 days @ $300.00 207, 675 West Hastings Street Vancouver, B.C. V6B 1N2	1,050.00	
K. Parsons (Cook) - 1.5 days @ $250.00 c/o TNTA Carmacks, Yukon	375.00	
		$ 4,125.00

HELICOPTER

Flight Time - 3.3 hours @ $600.00	$ 1,980.00	
Fuel	477.68	
		2,457.68

ASSAYS

82 rock samples @ $14.95	$ 1,225.90	
12 Cu assays @ $5.81	69.72	
1 silt/soil sample @ $12.92	12.92	
		1,308.54

GENERAL EXPENSES

Travel, Accommodation and Meals	$ 300.54	
Airfares	232.50	
Camp Food	296.46	
Camp Fuel	19.28	
Camp Rental	448.13	
Radio Rental	62.63	
Field Equipment Rental	36.75	
Equipment Fuel	10.80	
Truck Rental	157.55	
Field Equipment and Supplies	311.12	
Maps and Reproductions	58.37	
Expediting	77.97	
Telephone and Communications	53.80	
Fixed Wing	1,530.00	
Freight	62.75	
Legal Fees (notarizing claims forms)	4.77	
Clerical (UTM's, etc.)	172.12	
Report	2,116.66	
Management Fee	1,795.71	
		7,747.91
		15,639.13
GST		1,094.74
TOTAL THIS PROJECT		$16,733.87

Notes:

1. Wages are based on man days spent on the property and prep time charges.
2. Helicopter charges are based on actual hours flown.
3. Assay charges are based on actual numbers of samples from the property.
4. General expenses (all other costs) are pro rated according to man days allocated to each property, which in this case is 7.5% of the total budget.

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

Declared before me at Vancouver in)
the Province of British Columbia this)
27th day of JANUARY, 1993)

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

APPENDIX IV

ROCK SAMPLE DESCRIPTIONS

MINERALS AND ALTERATION TYPES

AS	arsenopyrite	BA	barite	BI	biotite
CA	calcite	CB	Fe-carbonate	CC	chalcocite
CL	chlorite	CP	chalcopyrite	CY	clay
DI	diopside	EP	epidote	GA	garnet
GE	goethite	GL	galena	HE	hematite
HS	specularite	JA	jarosite	MC	malachite
MG	magnetite	MN	Mn-oxides	MS	sericite
PO	pyrrhotite	PY	pyrite	QZ	quartz
SI	silica	SP	sphalerite	TT	tetrahedrite

ALTERATION INTENSITIES

s	strong	m	medium	w	weak	tr	trace

NOTE: Copper values are shown in either parts per million (whole numbers) or as a percentage (decimal numbers)

Property : RAM NTS : 106C Date : 12/05/92

Sample No.						Au	Co	Cu	La	U	W
	Location :	7206 450 N	Type : Float	Alteration :	CB	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
		582 700 E	Strike Length Exp. : m	Sulphides :	<1%CP						
19929	Elevation:	5300 ft	Sample Width : m	Oxides :	wAZ, wMC	10.	4.	791.	<10	30.	<10
	Orientation:	/	True Width : m	Host :	Pale grey chert(?)						

Comments : Ram 15 claim. One of several talus blocks displaying weak AZ/MC staining; patchy accumulation of fine to medium grained chalcopyrite; pale tan carbonate along fractures.

Sample No.						Au	Co	Cu	La	U	W
	Location :	7206 700 N	Type : Float	Alteration :	CB, QZ	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
		582 600 E	Strike Length Exp. : m	Sulphides :	2%CP						
19930	Elevation:	5250 ft	Sample Width : m	Oxides :		<5	7.	6336.	<10	40.	<10
	Orientation:	/	True Width : m	Host :	Shale						

Comments : Ram 13 claim. Brecciated and fractured shale with quartz/carbonate infilling; trace to 10% coarse chalcopyrite with quartz.

Sample No.						Au	Co	Cu	La	U	W
	Location :	7206 480 N	Type : Float	Alteration :	None	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
		582 720 E	Strike Length Exp. : m	Sulphides :	100%HS						
547051	Elevation:	1630 m	Sample Width : m	Oxides :	None	<5	4.	<1	0.	<10	0.
	Orientation:	/	True Width : m	Host :	Unknown - breccia?						

Comments : Massive specular hematite boulder measuring 40x30x20cm found among dolomite and breccia talus.

Sample No.						Au	Co	Cu	La	U	W
	Location :	7206 510 N	Type : Float	Alteration :	CA, AK, QZ vein	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
		582 670 E	Strike Length Exp. : m	Sulphides :	2%CP						
547052	Elevation:	1620 m	Sample Width : m	Oxides :	None	<5	6.	2920.	30.	<10	0.
	Orientation:	/	True Width : m	Host :	Black argillite						

Comments : Black argillite boulder (20x20x20cm) which is highly fractured and contains abundant calcite/ankerite>quartz veins with chalcopyrite blebs. This type of float accounts for approximately 1% of the surrounding talus.

Sample No.						Au	Co	Cu	La	U	W
	Location :	7207 310 N	Type : Grab	Alteration :	mBI, wCA, mCL, mSI	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
		582 180 E	Strike Length Exp. : >20 m	Sulphides :	None						
547053	Elevation:	1495 m	Sample Width : 1.0 m	Oxides :	None	<5	16.	9.	100.	<10	40.
	Orientation:	/	True Width : m	Host :	Fine-grained sedimentary rock						

Comments : Grab from hornfelsed sedimentary rock outcrop.

Sample No.						Au	Co	Cu	La	U	W
	Location :	7207 380 N	Type : Grab	Alteration :	mCL, sSI	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
		582 150 E	Strike Length Exp. : 40 m	Sulphides :	4%CP, 1-2%MG, 1%PY						
547054	Elevation:	1480 m	Sample Width : 2.0 m	Oxides :	None	<5	52.	364.	20.	<10	60.
	Orientation:	/	True Width : m	Host :	Heterolithic breccia?						

Comments : Matrix is highly silica and moderately chlorite altered. No clasts viewed - possible intrusive? Magnetite>pyrite>chalcopyrite are disseminated throughout.

Sample No.						Au	Co	Cu	La	U	W
	Location :	7207 490 N	Type : Grab	Alteration :	mCL, mSI	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
		582 130 E	Strike Length Exp. : >50 m	Sulphides :	4%HS						
547055	Elevation:	1465 m	Sample Width : 3.0 m	Oxides :	None	<5	17.	4.	70.	<10	30.
	Orientation:	/	True Width : m	Host :	Heterolithic breccia						

Comments : Grab from outcrop of heterolithic breccia. Matrix consists of silica>chlorite with finely disseminated specular hematite.

Sample No.						Au	Co	Cu	La	U	W
	Location :	7207 490 N	Type : Float	Alteration :	wCA, wCL, mSI	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
		582 130 E	Strike Length Exp. : m	Sulphides :	4%HS						
547056	Elevation:	1465 m	Sample Width : m	Oxides :	None	<5	10.	4.	40.	<10	40.
	Orientation:	/	True Width : m	Host :	Heterolithic breccia						

Comments : Heterolithic float covered in copper lichen at base of outcrop. Specular hematite is finely disseminated throughout.

Sample No.						Au	Co	Cu	La	U	W
	Location :	7207 570 N	Type : Chip	Alteration :	wCA, mCL, sSI, HE	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
		582 115 E	Strike Length Exp. : >20 m	Sulphides :	1%BO?, CC?, <1%CP						
547078	Elevation:	1435 m	Sample Width : 5.0 m	Oxides :	None	<5	29.	12.	40.	<10	0.
	Orientation:	/	True Width : m	Host :	Metasedimentary rock						

Comments : Composite chip across copper lichen covered metasedimentary rocks. Minor chalcopyrite.

Sample No.						Au	Co	Cu	La	U	W
	Location :	7207 485 N	Type : Chip	Alteration :	wCA, mCL, mQZ, mSI, HE	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
		582 140 E	Strike Length Exp. : 3 m	Sulphides :	BO?, 1%CP, 4%MG						
547079	Elevation:	1465 m	Sample Width : 3.0 m	Oxides :	None	45.	42.	3168.	10.	<10	20.
	Orientation:	/	True Width : m	Host :	Metasediments						

Comments : Composite chip sample across chalcopyrite mineralized outcrop. Chalcopyrite is either disseminated in the host rocks or occurs as blebs within quartz veins which crosscut the outcrop. Vein density is approximately 1 per metre.

Sample No.						Au	Co	Cu	La	U	W
	Location :	7207 540 N	Type : Grab	Alteration :	wCA, wCL, wAK, HE	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
		582 115 E	Strike Length Exp. : 3.0 m	Sulphides :	BO?, 2%CP						
547080	Elevation:	1455 m	Sample Width : 3.0 m	Oxides :	MC	30.	41.	1960.	20.	<10	20.
	Orientation:	/	True Width : m	Host :	Dioritic intrusive						

Comments : Subcrop of copper dioritic intrusive. Chalcopyrite is either disseminated throughout (<1%), or occurs along calcite +/- ankerite filled fractures (1%).

Sample No.						Au	Co	Cu	La	U	W
	Location :	7207 590 N	Type : Grab	Alteration :	wCA, mCL, HE	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
		582 090 E	Strike Length Exp. : 30 m	Sulphides :	BO?, 1-2%MG						
547081	Elevation:	1435 m	Sample Width : 2.0 m	Oxides :	None	15.	41.	26.	40.	<10	10.
	Orientation:	/	True Width : m	Host :	Gabbroic intrusive						

Comments : Grab from gabbroic outcrop covered in copper lichen.

Sample No.	Location :		Type :		Alteration :		Au	Co	Cu	La	U	W
		7207 670 N		Grab		wCA, mCL, mEP, mSI, HE						
		582 050 E	Strike Length Exp. :	25 m	Sulphides :	1%CP, 1-2%MG	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
547082	Elevation:	1412 m	Sample Width :	2.1 m	Oxides :	MC	10.	46.	190.	0.	<10	20.
	Orientation:	/	True Width :	m	Host :	Hornfelsed sedimentary rock						

Comments : Chalcopyrite hosted in narrow veinlets (1-2mm wide) within the sediments. Veinlets consist either of quartz/calcite or epidote.

Sample No.	Location :		Type :		Alteration :		Au	Co	Cu	La	U	W
		7207 790 N		Float		wBI, wCA, wCL, mSI						
		581 960 E	Strike Length Exp. :	m	Sulphides :	5%CP	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
547083	Elevation:	1398 m	Sample Width :	m	Oxides :	AZ, MC	35.	35.	1.02	0.	<10	0.
	Orientation:	/	True Width :	m	Host :	Hornfels sedimentary rock						

Comments : Float of chalcopyrite mineralized hornfels sedimentary rock. Source is escarpment to the west. Chalcopyrite is either disseminated or occurs as stringers.

Sample No.	Location :		Type :		Alteration :		Au	Co	Cu	La	U	W
		7207 810 N				wCA, wCL, mSI						
		581 950 E	Strike Length Exp. :	30 m	Sulphides :	trCP, 3%HS	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
547084	Elevation:	1385 m	Sample Width :	2.0 m	Oxides :	None	<5	9.	128.	20.	<10	10.
	Orientation:	/	True Width :	m	Host :	Heterolithic breccia						

Comments : Outcrop of heterolithic breccia in the creek. Specular hematite is disseminated throughout the matrix of coating the fragments.

Sample No.	Location :		Type :		Alteration :		Au	Co	Cu	La	U	W
		7208 160 N		Grab		wCA, wCL, m-sSI						
		581 700 E	Strike Length Exp. :	50 m	Sulphides :	5-10%HS	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
547085	Elevation:	1310 m	Sample Width :	2.0 m	Oxides :	None	<5	7.	76.	20.	<10	10.
	Orientation:	/	True Width :	m	Host :	Homolithic (?) breccia						

Comments : Breccia consists mainly of sedimentary (fine-grained sediments) clasts. The more siliceous the matrix, the more specular hematite present.

Sample No.	Location :		Type :		Alteration :		Au	Co	Cu	La	U	W
		7208 210 N		Float		wCL, mMS, mSI						
		581 640 E	Strike Length Exp. :	m	Sulphides :	trPY, 5-7%HS	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
547086	Elevation:	1312 m	Sample Width :	m	Oxides :	None	<5	11.	17.	80.	<10	0.
	Orientation:	/	True Width :	m	Host :	Heterolithic breccia						

Comments : Grab of talus. Matrix and clast alteration ranges from sericite to silica.

Sample No.	Location :		Type :		Alteration :		Au	Co	Cu	La	U	W
		7208 240 N		Float		wCL, mSI						
		581 570 E	Strike Length Exp. :	m	Sulphides :	trHS	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
547087	Elevation:	1315 m	Sample Width :	m	Oxides :	None	<5	8.	23.	0.	<10	0.
	Orientation:	/	True Width :	m	Host :	Fine-grained sedimentary rock						

Comments : Grab of surrounding talus.

Sample No.	Location :	Type :	Alteration :		Au	Co	Cu	La	U	W
	7208 280 N	Grab		wCA, wCL, mSI						
	581 480 E	Strike Length Exp. : >50 m	Sulphides :	None	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
547088	Elevation: 1315 m	Sample Width : 3.0 m	Oxides :	None	<5	6.	2.	0.	<10	10.
	Orientation: /	True Width : m	Host :	Fine-grained, bedded sedimentary rock						

Comments : Grab from outcrop of sedimentary rock which appears to have been metamorphosed (hornfels?).

Sample No.	Location :	Type :	Alteration :		Au	Co	Cu	La	U	W
	7208 350 N	Grab		wCA, wCL, mSI						
	581 395 E	Strike Length Exp. : >50 m	Sulphides :	<1%PY, trHS	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
547089	Elevation: 1302 m	Sample Width : 1.0 m	Oxides :	None	<5	12.	109.	0.	<10	0.
	Orientation: /	True Width : m	Host :	Fine-grained metasedimentary rock						

Comments : Pyrite is disseminated throughout.

Sample No.	Location :	Type :	Alteration :		Au	Co	Cu	La	U	W
	7206 340 N	Float		CL, KF, SI						
	582 470 E	Strike Length Exp. : m	Sulphides :	MG?, 5%HS	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
547707	Elevation: 1650 m	Sample Width : m	Oxides :	None	<5	30.	4.	50.	<10	20.
	Orientation: /	True Width : m	Host :	Wernecke hematite breccia						

Comments : Lithogeochem from talus source 200+m up. Heterolithic variety.

Sample No.	Location :	Type :	Alteration :		Au	Co	Cu	La	U	W
	7206 340 N	Chip		CL, EP, MS						
	582 420 E	Strike Length Exp. : m	Sulphides :	MG?, 2%PY, HS	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
547708	Elevation: 1640 m	Sample Width : m	Oxides :	None	<5	34.	9.	10.	<10	20.
	Orientation: /	True Width : m	Host :	Gabbro						

Comments : Lithogeochem. Composite chip.

Sample No.	Location :	Type :	Alteration :		Au	Co	Cu	La	U	W
	7206 380 N	Float		CL, KF, SI						
	582 310 E	Strike Length Exp. : m	Sulphides :	MG?, 2-10%HS	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
547709	Elevation: 1640 m	Sample Width : m	Oxides :	None	<5	18.	78.	30.	<10	20.
	Orientation: /	True Width : m	Host :	Wernecke hematite breccia						

Comments : Lithogeochem composite. Breccia upslope somewhere.

Sample No.	Location :	Type :	Alteration :		Au	Co	Cu	La	U	W
	7206 410 N	Float		CL, KF, SI						
	582 230 E	Strike Length Exp. : m	Sulphides :	3%HS	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
547710	Elevation: 1650 m	Sample Width : m	Oxides :	None	<5	17.	3.	20.	<10	20.
	Orientation: /	True Width : m	Host :	Wernecke hematite breccia						

Comments : Lithogeochem composite. Brecca is upslope somewhere.

Sample No.	Location :		Type :		Alteration :		Au	Co	Cu	La	U	W
		7206 420 N		Chip		BI, wCB, wKF	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
		582 220 E	Strike Length Exp. :	m	Sulphides :	trPY						
547711	Elevation:	1640 m	Sample Width :	m	Oxides :	None	<5	16.	6.	110.	<10	20.
	Orientation:	/	True Width :	m	Host :	Quartet group quartzite						

Comments : Quartet rocks, lithogeochem composite; cross cut by potassium feldspar/carbonate veinlets. Slightly hornfelsed.

Sample No.	Location :		Type :		Alteration :		Au	Co	Cu	La	U	W
		7206 500 N		Chip		CL, KF, SI	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
		582 160 E	Strike Length Exp. :	m	Sulphides :	2-4%HS						
547712	Elevation:	1639 m	Sample Width :	m	Oxides :	HS earthy	<5	19.	4.	40.	<10	20.
	Orientation:	/	True Width :	m	Host :	Wernecke hematite breccia						

Comments : Lithogeochem composite.

Sample No.	Location :		Type :		Alteration :		Au	Co	Cu	La	U	W
		7206 600 N		Chip		CL, KF, SI	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
		582 120 E	Strike Length Exp. :	m	Sulphides :	1-5%HS						
547713	Elevation:	1620 m	Sample Width :	m	Oxides :	HE earthy	<5	18.	2.	20.	<10	20.
	Orientation:	/	True Width :	m	Host :	Wernecke heterolithic hematite breccia						

Comments : Lithogeochem composite chip. No copper noted.

Sample No.	Location :		Type :		Alteration :		Au	Co	Cu	La	U	W
		7206 640 N		Select/grab		MS	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
		582 110 E	Strike Length Exp. :	m	Sulphides :	<1%CP, NE						
547714	Elevation:	1610 m	Sample Width :	m	Oxides :	AZ, MC	25.	33.	5448.	60.	<10	0.
	Orientation:	/	True Width :	m	Host :	Shales/thin bedded siltstone						

Comments : Well mineralized talus fan including copper in shales. Above Elmer Debock samples.

Sample No.	Location :		Type :		Alteration :		Au	Co	Cu	La	U	W
		7206 720 N		Chip		CL, KF, SI	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
		582 090 E	Strike Length Exp. :	m	Sulphides :	<1%PY						
547715	Elevation:	1611 m	Sample Width :	m	Oxides :	None	<5	46.	87.	0.	<10	40.
	Orientation:	/	True Width :	m	Host :	Metasomatized gabbro/breccia adjacent						

Comments : Lithogeochem composite.

Sample No.	Location :		Type :		Alteration :		Au	Co	Cu	La	U	W
		7206 860 N		Chip		CL, KF, MS, SI	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
		582 100 E	Strike Length Exp. :	m	Sulphides :	1%HS						
547716	Elevation:	1573 m	Sample Width :	m	Oxides :	None	<5	11.	24.	0.	<10	10.
	Orientation:	/	True Width :	m	Host :	Metasomatite/Wernecke breccia						

Comments :

Sample No.	Location :	Type :	Alteration :		Au	Co	Cu	La	U	W
	7207 000 N	Float/chip		CL, KF, SI						
	582 080 E	Strike Length Exp. : m	Sulphides :	1%HS	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
547717	Elevation: 1550 m	Sample Width : m	Oxides :	None	<5	12.	9.	30.	<10	20.
	Orientation: /	True Width : m	Host :	Wernecke breccia						

Comments : Lithgeochem sample site. Note sandy matrix.

Sample No.	Location :	Type :	Alteration :		Au	Co	Cu	La	U	W
	7207 150 N	Float		CB, KF, MS, SI						
	582 060 E	Strike Length Exp. : m	Sulphides :	1-2%HS	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
547718	Elevation: 1560 m	Sample Width : m	Oxides :	None	<5	13.	34.	10.	<10	10.
	Orientation: /	True Width : m	Host :	Sandy heterolithic breccia						

Comments : Lithogeochem sample.

Sample No.	Location :	Type :	Alteration :		Au	Co	Cu	La	U	W
	7207 250 N	Float		CB, KF, SI						
	582 060 E	Strike Length Exp. : m	Sulphides :	2-15%HS	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
547719	Elevation: 1545 m	Sample Width : m	Oxides :		<5	12.	21.	60.	<10	20.
	Orientation: /	True Width : m	Host :	Wernecke hematite breccia						

Comments : Good heterolithic breccia. Lithogeochem sample.

Sample No.	Location :	Type :	Alteration :		Au	Co	Cu	La	U	W
	7207 380 N	Chip		CB, CL, KF, SI						
	582 080 E	Strike Length Exp. : m	Sulphides :	1-2%HS	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
547720	Elevation: 1520 m	Sample Width : m	Oxides :	None	<5	19.	4.	80.	<10	20.
	Orientation: /	True Width : m	Host :	Wernecke breccia/metasomatites						

Comments : Copper lichen in area. One gabbro block with malachite, chalcopyrite associated with carbonate stringers. Lithogeochem.

Sample No.	Location :	Type :	Alteration :		Au	Co	Cu	La	U	W
	7207 520 N	Chip		CL, KF, SI						
	582 070 E	Strike Length Exp. : m	Sulphides :	1-8%HS	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
547721	Elevation: 1460 m	Sample Width : m	Oxides :	None	<5	11.	9.	20.	<10	20.
	Orientation: /	True Width : m	Host :	Wernecke breccia						

Comments : Lithogeochem grab. Local strong specularite.

Sample No.	Location :	Type :	Alteration :		Au	Co	Cu	La	U	W
	7208 550 N	Chip		CB, HE						
	580 680 E	Strike Length Exp. : m	Sulphides :	1%HS	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
547724	Elevation: 1250 m	Sample Width : m	Oxides :	None	<5	11.	50.	20.	<10	10.
	Orientation: /	True Width : m	Host :	Pseudo carbonate Wernecke breccia						

Comments : Dolomitic unit. Lithogeochem composite grab.

Sample No.	Location	Type	Alteration		Au	Co	Cu	La	U	W
	7208 540 N	Chip	Alteration	CB	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
	580 800 E	Strike Length Exp. : m	Sulphides	5%HS						
547725	Elevation: 1240 m	Sample Width : m	Oxides	GE	<5	13.	39.	80.	<10	20.
	Orientation: /	True Width : m	Host	Clast supported homolithic breccia						

Comments : Strong specularite. Cross cut by calcite veinlets. Lithogeochem. Downstream 100m.

Sample No.	Location	Type	Alteration		Au	Co	Cu	La	U	W
	7208 630 N	Chip	Alteration	CB, trMS, SI	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
	580 880 E	Strike Length Exp. : m	Sulphides	None						
547726	Elevation: 1235 m	Sample Width : m	Oxides	None	<5	11.	6.	40.	<10	20.
	Orientation: /	True Width : m	Host	Meta dolomitic siltstone						

Comments : Lithogeochem sample.

Sample No.	Location	Type	Alteration		Au	Co	Cu	La	U	W
	7208 680 N	Select/chip	Alteration	CA	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
	580 920 E	Strike Length Exp. : m	Sulphides	1%CP, 2%HS, U?						
547727	Elevation: 1235 m	Sample Width : m	Oxides	MC	25.	22.	3380.	10.	70.	30.
	Orientation: /	True Width : m	Host	Carbonate breccia						

Comments : Sporatic chalcopyrite mineralization in carbonate matrix breccia zone, approximately 20m wide. Two boulder samples have chalcopyrite. 260m downstream.

Sample No.	Location	Type	Alteration		Au	Co	Cu	La	U	W
	7208 710 N	Chip	Alteration	CB, MS	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
	580 980 E	Strike Length Exp. : m	Sulphides	3-5%HS						
547728	Elevation: 1229 m	Sample Width : m	Oxides	None	<5	9.	9.	30.	<10	10.
	Orientation: /	True Width : m	Host	Heterolithic hematite breccia						

Comments : Lithogeochem sample. 300m downstream from junction.

Sample No.	Location	Type	Alteration		Au	Co	Cu	La	U	W
	7208 760 N	Chip	Alteration	CB, MS, SI	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
	581 090 E	Strike Length Exp. : m	Sulphides	4%HS						
547729	Elevation: 1225 m	Sample Width : m	Oxides	None	<5	16.	8.	90.	<10	20.
	Orientation: /	True Width : m	Host	Heterolithic hematite breccia						

Comments : Lithogeochem sample. 400m downstream from junction.

Sample No.	Location	Type	Alteration		Au	Co	Cu	La	U	W
	7206 260 N	Grab	Alteration	wCL, sEP, HE	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
	582 580 E	Strike Length Exp. : >200 m	Sulphides	trCP, tr-1%PY						
547833	Elevation: 1670 m	Sample Width : 2x2 m	Oxides	MC	<5	60.	159.	0.	50.	0.
	Orientation: /	True Width : m	Host	Gabbro, magnetic						

Comments : Massive looking gabbro, quite a bit of fracture controlled alteration and mineralization.

Sample No.	Location :	7206 250 N	Type : Grab	Alteration :	QZ, HE	Au	Co	Cu	La	U	W
		582 670 E	Strike Length Exp. : m	Sulphides :	None	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
547834	Elevation:	1665 m	Sample Width : 2x2 m	Oxides :	Jasperoidal clasts	<5	14.	1.	60.	10.	0.
	Orientation:	/	True Width : m	Host :	Hematized sediment - breccia						

Comments :

Sample No.	Location :	7206 160 N	Type : Grab	Alteration :	CL, MS, HE	Au	Co	Cu	La	U	W
		582 700 E	Strike Length Exp. : m	Sulphides :	HS	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
547835	Elevation:	1690 m	Sample Width : 2x2 m	Oxides :	None	<5	24.	21.	20.	20.	0.
	Orientation:	/	True Width : m	Host :	Hematite breccia - heterolithic						

Comments : Sericite matrix, quite significant alteration.

Sample No.	Location :	7206 070 N	Type : Grab	Alteration :	CL, EP	Au	Co	Cu	La	U	W
		582 700 E	Strike Length Exp. : m	Sulphides :	trPY	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
547836	Elevation:	1750 m	Sample Width : 2x2 m	Oxides :	None	5.	37.	89.	0.	70.	0.
	Orientation:	/	True Width : m	Host :	Gabbro						

Comments : Massive outcrop - near sediment contact. Epidote very strong.

Sample No.	Location :	7205 990 N	Type : Talus	Alteration :	CB, CL, HE	Au	Co	Cu	La	U	W
		582 710 E	Strike Length Exp. : m	Sulphides :	None	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
547837	Elevation:	1775 m	Sample Width : m	Oxides :	None	20.	21.	1.	0.	30.	0.
	Orientation:	/	True Width : m	Host :	Hematized, weakly brecciated sediments						

Comments : Abundant specularite in some nodes. Dark green to black rock depending on extent of hematization.

Sample No.	Location :	7205 940 N	Type : Float	Alteration :	CL	Au	Co	Cu	La	U	W
		582 650 E	Strike Length Exp. : m	Sulphides :	None	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
547838	Elevation:	1825 m	Sample Width : m	Oxides :	None	<5	18.	2.	90.	<10	0.
	Orientation:	/	True Width : m	Host :	Sediment/hematite breccia - marginal?						

Comments : Specularite pervasive.

Sample No.	Location :	7205 840 N	Type : Grab	Alteration :	CL, MS	Au	Co	Cu	La	U	W
		582 590 E	Strike Length Exp. : m	Sulphides :	HS	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
547839	Elevation:	1868 m	Sample Width : 2x2 m	Oxides :	None	35.	29.	2.	30.	10.	0.
	Orientation:	/	True Width : m	Host :	Heterolithic breccia						

Comments : Minor sericite and copper.

Sample No.	Location :	Type :	Alteration :		Au	Co	Cu	La	U	W
	7205 760 N	Grab		MS, QZ, HE	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
	582 590 E	Strike Length Exp. : m	Sulphides	None						
547840	Elevation: 1895 m	Sample Width : 2x2 m	Oxides	MN	10.	31.	48.	60.	<10	10.
	Orientation: /	True Width : m	Host	Heterolithic breccia						

Comments : Matrix very altered.

Sample No.	Location :	Type :	Alteration :		Au	Co	Cu	La	U	W
	7205 690 N	Grab		CL, sHE	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
	592 590 E	Strike Length Exp. : m	Sulphides	None						
547841	Elevation: 1925 m	Sample Width : 2x2 m	Oxides	None	<5	16.	18.	0.	20.	0.
	Orientation: /	True Width : m	Host	Hematite - chlorite breccia						

Comments : Very weathered surface - not deep.

Sample No.	Location :	Type :	Alteration :		Au	Co	Cu	La	U	W
	7205 630 N	Grab		CL, QZ	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
	582 540 E	Strike Length Exp. : m	Sulphides	None						
547842	Elevation: 1950 m	Sample Width : 2x2 m	Oxides	None	<5	10.	9.	0.	20.	0.
	Orientation: /	True Width : m	Host	Altered sediments						

Comments : Rock is quite altered - contact with breccia? Large breccia clast?

Sample No.	Location :	Type :	Alteration :		Au	Co	Cu	La	U	W
	7206 730 N	Grab		CB, CL, wHE	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
	582 550 E	Strike Length Exp. : m	Sulphides	None						
547852	Elevation: 1610 m	Sample Width : 2x2 m	Oxides	None	<5	14.	24.	70.	<10	0.
	Orientation: /	True Width : m	Host	Sediment - limey, skarn, weakly brecciated						

Comments : Outcrop locally appears brecciated, weak gossanous weathering.

Sample No.	Location :	Type :	Alteration :		Au	Co	Cu	La	U	W
	7206 880 N	Grab		None	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
	582 580 E	Strike Length Exp. : m	Sulphides	None						
547853	Elevation: 1595 m	Sample Width : 2x2 m	Oxides	GE	<5	20.	12.	10.	<10	0.
	Orientation: 005 / 47 E	True Width : m	Host	Black phyllitic argillite						

Comments : Highly contorted sediments. Quartz/carbonate veinlets have many orientations - massive above.

Sample No.	Location :	Type :	Alteration :		Au	Co	Cu	La	U	W
	7207 230 N	Talus		CL, MS?, HE	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
	582 560 E	Strike Length Exp. : m	Sulphides	None						
547854	Elevation: 1565 m	Sample Width : m	Oxides	None	<5	22.	4.	60.	<10	10.
	Orientation: /	True Width : m	Host	Heterolithic hematite breccia						

Comments : Locally mineralized breccia (not in sample).

Sample No.	Location :		Type :		Alteration :		Au	Co	Cu	La	U	W
		7207 310 N		Grab		CB, CL?, wHE						
		585 535 E	Strike Length Exp. :	10 m	Sulphides :	None	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
547855	Elevation:	1565 m	Sample Width :	2x2 m	Oxides :	None	<5	17.	6.	90.	<10	20.
	Orientation:	/	True Width :	m	Host :	Monolithic breccia						

Comments : Small outcrop at edge of heterolithic breccia talus.

Sample No.	Location :		Type :		Alteration :		Au	Co	Cu	La	U	W
		7208 180 N		Grab								
		581 995 E	Strike Length Exp. :	15 m	Sulphides :	HS	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
547856	Elevation:	1470 m	Sample Width :	2x2 m	Oxides :	None	10.	20.	16.	40.	<10	20.
	Orientation:	/	True Width :	m	Host :	Heterolithic hematite breccia						

Comments : Breccia has siliceous or feldspathic matrix with specular hematite. Clasts are not particularly strongly hematized.

Sample No.	Location :		Type :		Alteration :		Au	Co	Cu	La	U	W
		7208 210 N		Grab		CL, mHE						
		581 940 E	Strike Length Exp. :	25 m	Sulphides :	trCP, trMG?, trPY	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
547857	Elevation:	1450 m	Sample Width :	2x2 m	Oxides :	MC	15.	51.	1695.	10.	10.	30.
	Orientation:	/	True Width :	m	Host :	Gabbro						

Comments : Medium-grained, weakly hematized gabbro. Copper mineralization is largely fracture controlled.

Sample No.	Location :		Type :		Alteration :		Au	Co	Cu	La	U	W
		7208 310 N		Grab		CL, MS?, wHE						
		581 890 E	Strike Length Exp. :	100 m	Sulphides :	HS	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
547858	Elevation:	1445 m	Sample Width :	2x2 m	Oxides :	None	<5	13.	10.	30.	<10	10.
	Orientation:	/	True Width :	m	Host :	Heterolithic breccia						

Comments : Specularite in matrix. Generally quite clastic, locally homogeneous.

Sample No.	Location :		Type :		Alteration :		Au	Co	Cu	La	U	W
		7208 300 N		Grab		CL, EP						
		581 630 E	Strike Length Exp. :	50 m	Sulphides :	trCP, trPY	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
547859	Elevation:	1310 m	Sample Width :	2x2 m	Oxides :	MC - not in sample	<5	98.	189.	0.	20.	70.
	Orientation:	/	True Width :	m	Host :	Gabbro						

Comments :

Sample No.	Location :		Type :		Alteration :		Au	Co	Cu	La	U	W
		7206 255 N		Float		EP						
		582 290 E	Strike Length Exp. :	m	Sulphides :	<1%CP	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
547936	Elevation:	1580 m	Sample Width :	30 cm	Oxides :	MC	10.	61.	840.	30.	<10	60.
	Orientation:	/	True Width :	m	Host :	Hematite breccia						

Comments : On morraine.

Sample No.	Location :	Type :	Alteration :		Au	Co	Cu	La	U	W
	7206 270 N	Float	None		(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
	582 260 E	Strike Length Exp. : m	Sulphides	: 1%CP						
547937	Elevation: 1580 m	Sample Width : 15 cm	Oxides	: MC	115.	184.	3.30.	120.	<10	250.
	Orientation: /	True Width : m	Host	: Bedded siltstone						

Comments : Mineralization on fractures.

Sample No.	Location :	Type :	Alteration :		Au	Co	Cu	La	U	W
	7206 990 N	Float	None		(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
	581 920 E	Strike Length Exp. : m	Sulphides	: 3%CP						
547938	Elevation: 1550 m	Sample Width : 20 cm	Oxides	: MC	340.	29.	1.29.	110.	<10	100.
	Orientation: /	True Width : m	Host	: Hematite breccia						

Comments : Sparse on slope.

Sample No.	Location :	Type :	Alteration :		Au	Co	Cu	La	U	W
	7207 090 N	Float	None		(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
	581 900 E	Strike Length Exp. : m	Sulphides	: <1%CP, 10%PY						
547939	Elevation: 1570 m	Sample Width : 20 cm	Oxides	: None	55.	2244.	338.	600.	<10	80.
	Orientation: /	True Width : m	Host	: Quartz						

Comments : On large talus fan.

Sample No.	Location :	Type :	Alteration :		Au	Co	Cu	La	U	W
	7207 320 N	Float	None		(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
	581 800 E	Strike Length Exp. : m	Sulphides	: 1%CP						
547940	Elevation: 1555 m	Sample Width : 25 cm	Oxides	: MC	135.	23.	4094.	20.	10.	20.
	Orientation: /	True Width : m	Host	: Quartz matrix breccia						

Comments : In large coarse talus slope. Quartz material common.

Sample No.	Location :	Type :	Alteration :		Au	Co	Cu	La	U	W
	7207 400 N	Float	None		(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
	581 790 E	Strike Length Exp. : m	Sulphides	: <1%CP						
547941	Elevation: 1530 m	Sample Width : m	Oxides	: None	5.	23.	177.	30.	<10	30.
	Orientation: /	True Width : m	Host	: Hematite breccia						

Comments : Orange copper lichen widespread, but not intense.

Sample No.	Location :	Type :	Alteration :		Au	Co	Cu	La	U	W
	7207 470 N	Float	None		(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
	581 685 E	Strike Length Exp. : m	Sulphides	: <1%CP						
547942	Elevation: 1525 m	Sample Width : 25 cm	Oxides	: MC	210.	13.	2.03.	40.	30.	200.
	Orientation: /	True Width : m	Host	: Hematite breccia						

Comments : Great deal of malachite for amount of chalcopyrite. Float very common on talus.

Sample No.	Location	Type	Alteration	Au (ppb)	Co (ppm)	Cu (ppm)	La (ppm)	U (ppm)	W (ppm)
547943	7207 470 N 581 650 E Elevation: 1525 m Orientation: /	Type : Float Strike Length Exp. : m Sample Width : m True Width : m	Alteration : None Sulphides : 1%CP Oxides : MC Host : Hematite breccia	205.	12.	1.44.	70.	10.	50.

Comments :

Sample No.	Location	Type	Alteration	Au (ppb)	Co (ppm)	Cu (ppm)	La (ppm)	U (ppm)	W (ppm)
547944	7207 490 N 581 735 E Elevation: 1500 m Orientation: /	Type : Float Strike Length Exp. : m Sample Width : 1 m True Width : m	Alteration : None Sulphides : <1%CP Oxides : MC Host : Quartzite	25.	37.	6321.	70.	<10	60.

Comments : Sparse on talus. Quartzite most common rock on talus slope.

Sample No.	Location	Type	Alteration	Au (ppb)	Co (ppm)	Cu (ppm)	La (ppm)	U (ppm)	W (ppm)
547945	7207 670 N 582 070 E Elevation: 1420 m Orientation: 110 / 32 SW	Type : Select Strike Length Exp. : m Sample Width : 15 cm True Width : 25 cm	Alteration : EP Sulphides : 1-2%BO Oxides : MC Host : Altered sediment	100.	40.	5452.	10.	10.	40.

Comments : Along creek.

Sample No.	Location	Type	Alteration	Au (ppb)	Co (ppm)	Cu (ppm)	La (ppm)	U (ppm)	W (ppm)
547946	7207 560 N 582 130 E Elevation: 1455 m Orientation: 172 / 90	Type : Select Strike Length Exp. : 4 m Sample Width : 15 cm True Width : m	Alteration : None Sulphides : 1%CP Oxides : MC Host :	535.	37.	8443.	20.	<10	80.

Comments : Along creek in quartzite.

Sample No.	Location	Type	Alteration	Au (ppb)	Co (ppm)	Cu (ppm)	La (ppm)	U (ppm)	W (ppm)
547947	7207 520 N 582 130 E Elevation: 1455 m Orientation: 090 / 90	Type : Select Strike Length Exp. : m Sample Width : 15 cm True Width : 4 m	Alteration : None Sulphides : 1%CP Oxides : MC Host : Diorite?	435.	91.	1.42.	0.	20.	100.

Comments : Shear zone.

Sample No.	Location	Type	Alteration	Au (ppb)	Co (ppm)	Cu (ppm)	La (ppm)	U (ppm)	W (ppm)
547948	7207 480 N 582 140 E Elevation: 1470 m Orientation: 196 / 90	Type : Select Strike Length Exp. : 15 m Sample Width : 1 m True Width : 2-3 m	Alteration : None Sulphides : 2%CP Oxides : MC Host : Hematite breccia	225.	87.	7683.	20.	10.	70.

Comments : Good copper lichen. Appears to be contact - grey with breccia and diorite?

Sample No.	Location	Type	Alteration		Au	Co	Cu	La	U	W
	7207 350 N	Float		CP - finely disseminated	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
	582 410 E	Strike Length Exp. : m	Sulphides	: 1%CP						
547949	Elevation: 1525 m	Sample Width : 30 cm	Oxides	: MC	40.	13.	3083.	70.	<10	40.
	Orientation: /	True Width : m	Host	: Hematite breccia						

Comments : Wide spread on talus on east side of creek near terminal morraine.

Sample No.	Location	Type	Alteration		Au	Co	Cu	La	U	W
	7207 460 N	Select		None	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
	581 600 E	Strike Length Exp. : 50 m	Sulphides	: 30-40%CP						
547956	Elevation: 1530 m	Sample Width : 20 cm	Oxides	: MC	170.	31.	6.38.	20.	<10	700.
	Orientation: 337 / 90	True Width : 10 cm	Host	: Sediment (sandy)						

Comments : Zone sporadic for 50m from 1525 - 1545m. Probably small shears and fractures.

Sample No.	Location	Type	Alteration		Au	Co	Cu	La	U	W
	7207 460 N	Select		None	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
	581 600 E	Strike Length Exp. : 50 m	Sulphides	: 30%CP						
547957	Elevation: 1520 m	Sample Width : 6 cm	Oxides	: MC	270.	971.	3.12.	10.	10.	300.
	Orientation: k337 /	True Width : 10 cm	Host	:						

Comments : Taken 30m north of 547956.

Sample No.	Location	Type	Alteration		Au	Co	Cu	La	U	W
	7208 220 N	Select		None	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
	581 290 E	Strike Length Exp. : m	Sulphides	: BO, 20%CP						
547958	Elevation: 1255 m	Sample Width : 30 cm	Oxides	: AZ, MC	45.	31.	4.13.	10.	290.	300.
	Orientation: /	True Width : 4 cm	Host	: Altered sediment - some quartz						

Comments : Zone 2x4m along buff weathering silty sediment.

Sample No.	Location	Type	Alteration		Au	Co	Cu	La	U	W
	7208 510 N	Select		None	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
	580 740 E	Strike Length Exp. : 40 m	Sulphides	: <1%CP						
547959	Elevation: 1235 m	Sample Width : 20 cm	Oxides	: MC	170.	14.	1.04.	20.	490.	50.
	Orientation: 360 / 032 NW	True Width : 1.5 m	Host	: Alteration zone in breccia						

Comments : Old trench site.

Sample No.	Location	Type	Alteration		Au	Co	Cu	La	U	W
	7208 590 N	Select		None	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
	580 890 E	Strike Length Exp. : m	Sulphides	: BO, <1%CP						
547960	Elevation: 1225 m	Sample Width : 20 cm	Oxides	: MC	60.	26.	6890.	40.	1180.	50.
	Orientation: /	True Width : 1-1.5 m	Host	: Altered breccia						

Comments : Appears to be altered zone in hematite breccia. 1-1.5m wide and 10-15m high.

Property : RAM NTS : 106C Date : 12/05/92

Sample No.	Location :		Type :		Alteration :		Au	Co	Cu	La	U	W
		7208 740 N		Select		None						
		581 030 E	Strike Length Exp. :	m	Sulphides :	<1%CP	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
547961	Elevation:	1210 m	Sample Width :	1 m	Oxides :	MC	250.	13.	2.09.	20.	320.	150.
	Orientation:	/	True Width :	1 m	Host :	Altered breccia						

Comments : Fractures in altered zone. 40m across creek from 547960.

Sample No.	Location :		Type :		Alteration :		Au	Co	Cu	La	U	W
		7208 790 N		Select		None						
		581 140 E	Strike Length Exp. :	2 m	Sulphides :	10%CP	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
547962	Elevation:	1200 m	Sample Width :	30 cm	Oxides :	MC	20.	16.	3.94.	10.	30.	350.
	Orientation:	343 / 035	True Width :	50 cm	Host :	Breccia - altered bleached						

Comments :

Sample No.	Location :		Type :		Alteration :		Au	Co	Cu	La	U	W
		7206 195 N		Float		wCA, mCL, mSI						
		582 850 E	Strike Length Exp. :	m	Sulphides :	<1%CP, 3-5%HS	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
548399	Elevation:	1728 m	Sample Width :	m	Oxides :	None	<5	22.	57.	30.	<10	20.
	Orientation:	/	True Width :	m	Host :	Heterolithic breccia						

Comments : Large boulder found on morraine. Chalcopyrite and specular hematite are disseminated throughout the matrix.

Sample No.	Location :		Type :		Alteration :		Au	Co	Cu	La	U	W
		7206 390 N		Grab		CA, mCL, SK CA-AK vein						
		582 695 E	Strike Length Exp. :	10 m	Sulphides :	None	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
548400	Elevation:	1590 m	Sample Width :	1.3 m	Oxides :	None	<5	6.	7.	0.	40.	10.
	Orientation:	/	True Width :	1.1 m	Host :	Thin bedded, silty dolomite						

Comments : Grab of dolomite outcrop in Ram Creek.

APPENDIX V

ANALYTICAL PROCEDURES

Chemex Labs Ltd.

Analytical Chemists *Geochemists* *Registered Assayers*

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

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

24-Element Geochemistry Package (24-ICP)

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

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

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

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

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Gold

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

Chemex Code: 100

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

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

Detection limit: 5 ppb

Upper Limit: 10,000 ppb

APPENDIX VI

CERTIFICATES OF ANALYSIS

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
VANCOUVER, BC
V6B 1N4

Project : FAIRCHILD LAKE RAM
Comments: CC: MURRAY JONES CC: DAVID CAULFIELD

	Au ppb	Ag ppm	Al %	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %
547051	<5	<0.2	0.36	<10	1.0	<2	0.08	1.0	4	14	<1	>25.00	<0.01	0.08
547052	<5	0.4	7.99	230	2.0	8	2.00	<0.5	6	102	2920	1.90	3.44	1.68
547053	<5	<0.2	7.91	1260	1.5	12	1.32	<0.5	16	84	9	5.95	5.63	1.75
547054	<5	<0.2	7.47	380	<0.5	6	1.48	0.5	52	31	364	8.46	1.14	2.88
547055	<5	<0.2	6.85	1080	<0.5	6	1.48	<0.5	17	94	4	5.32	6.10	1.71
547056	<5	<0.2	6.57	1290	<0.5	8	1.66	<0.5	10	82	4	5.09	7.26	1.19
547078	<5	<0.2	7.38	80	0.5	4	2.46	<0.5	29	115	12	2.93	0.11	2.37
547079	45	<0.2	6.88	320	<0.5	<2	2.24	<0.5	42	107	3168	7.52	1.85	3.58
547080	30	<0.2	7.19	350	<0.5	6	2.52	<0.5	41	93	1960	7.78	1.89	3.66
547081	15	<0.2	7.26	400	<0.5	<2	3.36	0.5	41	132	26	6.16	1.31	4.23
547082	10	<0.2	7.03	300	<0.5	<2	3.45	<0.5	46	138	190	7.97	0.89	3.68
547083	35	<0.2	7.22	20	<0.5	<20	4.36	0.5	35	62	>10000	6.63	0.07	1.84
547084	<5	<0.2	6.47	930	<0.5	<2	5.42	<0.5	9	100	128	4.19	4.78	1.07
547085	<5	<0.2	6.99	980	<0.5	<2	3.29	<0.5	7	87	76	4.68	5.33	1.41
547086	<5	<0.2	6.94	740	1.0	<2	3.23	0.5	11	174	17	3.93	4.09	1.96
547087	<5	<0.2	6.90	740	<0.5	<2	5.26	<0.5	8	89	23	3.17	3.70	1.32
547088	<5	<0.2	6.40	510	0.5	<2	5.18	0.5	6	93	2	3.73	2.79	1.83
547089	<5	<0.2	6.57	540	<0.5	<2	5.36	<0.5	12	96	109	2.93	2.67	1.27
547707	<5	<0.2	6.96	670	<0.5	2	3.09	0.5	30	76	4	5.79	3.88	2.74
547708	<5	<0.2	7.29	860	<0.5	<2	3.15	0.5	34	289	9	7.47	3.75	3.94
547709	<5	<0.2	7.05	920	<0.5	6	3.21	0.5	18	62	78	5.13	5.36	1.90
547710	<5	<0.2	6.37	1120	<0.5	12	4.10	0.5	17	57	3	5.28	5.45	1.70
547711	<5	<0.2	7.87	5060	<0.5	4	0.39	0.5	16	65	6	6.92	4.65	1.28
547712	<5	<0.2	6.52	1060	<0.5	2	0.99	<0.5	19	56	4	6.32	6.62	1.79
547713	<5	<0.2	6.53	1120	<0.5	4	1.95	0.5	18	62	2	5.57	5.05	1.52
547714	25	<0.2	7.59	840	2.5	6	0.37	0.5	33	63	5448	1.22	3.13	0.39
547715	<5	<0.2	5.94	620	<0.5	2	3.58	1.5	46	76	87	9.99	1.44	3.12
547716	<5	<0.2	6.89	1260	<0.5	6	5.46	<0.5	11	66	24	3.06	6.66	1.09
547717	<5	<0.2	7.32	1120	<0.5	2	3.18	0.5	12	69	9	4.83	6.13	1.28
547718	<5	<0.2	7.47	2740	0.5	6	4.58	0.5	13	87	34	3.63	3.78	1.02
547719	<5	<0.2	6.56	990	<0.5	8	3.34	0.5	12	80	21	5.80	4.46	1.68
547720	<5	<0.2	6.84	1000	<0.5	<2	1.78	0.5	19	70	4	5.59	5.29	2.20
547721	<5	<0.2	6.35	2010	<0.5	8	4.21	0.5	11	77	9	5.10	5.00	1.10
547724	<5	<0.2	7.84	1060	<0.5	4	3.49	0.5	11	72	50	4.18	5.17	0.99
547725	<5	<0.2	7.81	490	<0.5	8	2.99	1.0	13	64	39	6.30	4.44	1.69

CERTIFICATION: B. Campbell

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 : FAIRCHILD LAKE RAM
Comments: CC: MURRAY JONES CC: DAVID CAULFIELD

Certificate Date: 29-SEP-92
Invoice No. :
P.O. Number :
Account :BM

	Au ppb	Ag ppm	Al %	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %
547726	<5	<0.2	8.18	800	<0.5	8	2.15	0.5	11	79	6	5.13	5.69	1.40
547727	25	<0.2	5.85	600	<0.5	6	3.54	0.5	22	72	3380	6.74	1.37	1.54
547728	<5	<0.2	7.32	910	<0.5	6	2.75	<0.5	9	79	9	3.90	4.66	1.70
547729	<5	<0.2	6.83	670	<0.5	8	4.12	<0.5	16	78	8	4.83	4.74	2.15
547833	<5	<0.2	7.09	820	<0.5	<2	3.47	<0.5	60	28	159	9.80	2.00	3.84
547834	<5	<0.2	8.47	860	<0.5	6	1.95	0.5	14	78	1	4.63	5.82	1.53
547835	<5	<0.2	7.01	1530	0.5	8	5.29	<0.5	24	51	21	4.81	5.85	1.77
547836	5	<0.2	6.95	700	<0.5	<2	4.53	0.5	37	114	89	8.62	1.80	3.31
547837	20	<0.2	6.71	1220	<0.5	10	6.21	<0.5	21	70	1	5.17	6.50	1.78
547838	<5	<0.2	6.99	800	<0.5	8	3.72	0.5	18	77	2	4.79	4.62	2.39
547839	35	<0.2	7.93	1260	0.5	10	2.12	<0.5	29	77	2	5.49	6.21	2.30
547840	10	<0.2	7.25	3120	0.5	4	1.38	<0.5	31	94	48	4.97	6.60	1.19
547841	<5	<0.2	6.30	940	1.5	<2	8.20	<0.5	16	66	18	1.35	4.16	1.19
547842	<5	<0.2	6.57	1250	1.0	<2	6.47	<0.5	10	76	9	1.43	5.17	1.25
547852	<5	<0.2	7.24	900	0.5	2	3.18	<0.5	14	99	24	2.86	5.80	2.79
547853	<5	<0.2	7.97	470	1.0	6	0.17	<0.5	20	71	12	1.51	3.68	0.73
547854	<5	<0.2	7.33	1300	<0.5	14	1.93	<0.5	22	65	4	5.48	6.73	2.27
547855	<5	<0.2	7.72	1160	<0.5	6	3.18	<0.5	17	68	6	5.50	3.95	2.69
547856	10	<0.2	6.61	7100	<0.5	24	4.28	0.5	20	66	16	6.83	6.42	1.91
547857	15	<0.2	6.39	560	<0.5	<2	2.98	<0.5	51	69	1695	10.08	2.45	3.73
547858	<5	<0.2	6.97	930	1.0	8	3.46	<0.5	13	67	10	4.86	4.67	1.18
547859	<5	<0.2	6.37	300	<0.5	<2	4.64	0.5	98	54	189	9.64	1.93	3.10
547936	10	1.2	7.18	920	<0.5	<2	5.08	0.5	61	58	840	6.54	2.50	3.13
547937	115	2.0	7.21	740	1.5	<20	0.11	0.5	184	92	>10000	2.66	2.79	0.29
547938	340	0.8	6.70	1160	1.5	<20	3.13	<0.5	29	95	>10000	3.69	5.77	1.67
547939	55	4.2	0.62	40	<0.5	6	0.08	<0.5	2244	350	338	18.20	0.04	0.26
547940	135	<0.2	3.01	390	<0.5	6	2.78	<0.5	23	193	4094	2.37	1.69	1.80
547941	5	<0.2	6.86	900	<0.5	6	5.09	<0.5	23	113	177	5.68	4.77	1.67
547942	210	1.4	5.30	1060	<0.5	<20	0.15	<0.5	13	107	>10000	10.52	6.62	0.07
547943	205	1.2	7.20	1320	<0.5	<20	0.74	<0.5	12	101	>10000	5.23	8.08	0.43
547944	25	0.2	6.14	500	1.0	6	2.92	<0.5	37	68	6321	8.31	1.48	1.49
547945	100	11.0	6.63	1250	<0.5	2	3.86	0.5	40	132	5452	6.15	0.54	3.27
547946	535	0.2	6.92	260	<0.5	8	1.62	<0.5	37	43	8443	7.61	0.48	3.46
547947	435	4.2	6.55	450	<0.5	<20	4.33	1.0	91	65	>10000	8.01	3.74	2.63
547948	225	0.8	7.72	1000	<0.5	12	2.04	<0.5	87	77	7683	7.13	3.05	3.77

CERTIFICATION: B. Campbell

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 : FAIRCHILD LAKE RAM
Comments: CC: MURRAY JONES CC: DAVID CAULFIELD

Certificate Date: 29-SEP-92
Invoice No. :
P.O. Number :
Account :BM

	Au ppb	Ag ppm	Al %	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %
547949	40	0.6	7.40	730	<0.5	8	2.79	<0.5	13	77	3083	6.71	8.50	1.56
547956	170	3.0	6.44	70	<0.5	<20	0.30	<0.5	31	85	>10000	11.16	0.13	1.36
547957	270	2.6	5.83	140	<0.5	<20	0.64	<0.5	971	22	>10000	12.55	0.08	6.04
547958	45	10.6	6.96	210	1.0	100	1.34	1.5	31	104	>10000	2.40	4.84	1.06
547959	170	2.0	9.10	1130	1.5	<20	0.99	<0.5	14	80	>10000	1.93	5.45	0.98
547960	60	2.8	7.45	1210	<0.5	26	3.23	<0.5	26	103	6890	2.07	8.05	1.73
547961	250	4.2	9.11	810	1.0	<20	0.23	<0.5	13	96	>10000	3.62	4.70	0.69
547962	20	0.4	8.26	140	0.5	<20	0.81	<0.5	16	77	>10000	6.14	4.79	0.98
548399	<5	<0.2	7.40	1540	<0.5	2	3.85	<0.5	22	53	57	5.94	7.01	1.71
548400	<5	<0.2	5.84	720	0.5	6	8.33	<0.5	6	48	7	2.36	2.86	1.25
92-BK-01	10	<0.2	5.91	1610	0.5	2	3.28	<0.5	17	45	94	3.62	3.54	2.70

CERTIFICATION: B. Caplin

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
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Project : FAIRCHILD LAKE RAM
Comments: CC: MURRAY JONES CC: DAVID CAULFIELD

Certificate Date: 29-SEP-92
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Account :BM

	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sr ppm	Ti %	V ppm	W ppm	Zn ppm	La ppm	U ppm
547051	220	14	0.01	6	20	<2	1	<0.01	20	<50	50	<10	<10
547052	1385	1	0.18	10	220	<2	18	0.15	45	<10	34	30	<10
547053	735	1	1.93	36	800	<2	43	0.30	65	40	40	100	<10
547054	1380	<1	3.68	21	810	4	109	1.09	320	60	62	20	<10
547055	760	2	0.48	27	790	<2	23	0.27	85	30	26	70	<10
547056	1210	<1	0.24	16	790	<2	24	0.22	52	40	20	40	<10
547078	650	<1	5.26	39	50	<2	87	0.56	55	<10	44	40	<10
547079	1710	48	1.87	59	630	<2	28	0.68	324	20	68	10	<10
547080	2000	29	2.39	56	730	<2	34	0.83	365	20	58	20	<10
547081	935	1	3.47	62	330	<2	116	0.85	265	10	82	40	<10
547082	940	9	3.31	56	370	<2	191	0.86	269	20	58	<10	<10
547083	960	6	4.35	21	1500	<2	64	0.50	148	<50	66	<10	<10
547084	955	1	1.31	20	700	<2	65	0.17	50	10	16	20	<10
547085	805	1	1.60	19	660	<2	40	0.14	47	10	10	20	<10
547086	1575	1	0.41	25	730	<2	26	0.17	51	<10	14	80	<10
547087	1075	<1	2.18	24	750	<2	56	0.21	46	<10	10	<10	<10
547088	1545	<1	2.10	16	690	<2	52	0.16	47	10	12	<10	<10
547089	1455	<1	2.10	29	950	<2	61	0.21	74	<10	12	<10	<10
547707	735	1	1.94	35	740	<2	44	0.42	109	20	56	50	<10
547708	890	3	1.66	71	490	<2	69	0.82	236	20	84	10	<10
547709	1130	1	1.37	24	680	4	49	0.26	71	20	32	30	<10
547710	820	<1	1.21	33	790	<2	51	0.24	64	20	30	20	<10
547711	250	2	2.75	31	830	<2	96	0.30	80	20	22	110	<10
547712	945	1	0.51	31	710	<2	19	0.43	102	20	28	40	<10
547713	510	<1	1.98	31	720	<2	35	0.27	55	20	20	20	<10
547714	345	38	1.39	30	690	<2	60	0.20	68	<10	20	60	<10
547715	1500	<1	2.47	48	480	18	85	0.75	361	40	110	<10	<10
547716	745	<1	0.55	20	660	<2	41	0.23	41	10	10	<10	<10
547717	1030	1	1.31	25	750	<2	38	0.24	56	20	16	30	<10
547718	1325	<1	1.92	26	760	<2	87	0.19	64	10	10	10	<10
547719	1610	<1	0.96	25	980	<2	36	0.23	67	20	18	60	<10
547720	1055	<1	1.04	31	740	<2	28	0.27	57	20	24	80	<10
547721	1265	<1	1.17	20	710	<2	58	0.20	54	20	14	20	<10
547724	590	<1	0.65	36	790	<2	35	0.35	79	10	16	20	<10
547725	1050	<1	0.18	31	890	4	22	0.26	70	20	30	80	<10

CERTIFICATION: B. Caughlin

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 : FAIRCHILD LAKE RAM
Comments: CC: MURRAY JONES CC: DAVID CAULFIELD

Page Number : 5
Total Pages : 6
Certificate Date: 29-SEP-92
Invoice No. :
P.O. Number :
Account :BM

	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sr ppm	Ti %	V ppm	W ppm	Zn ppm	La ppm	U ppm
547726	1015	<1	0.29	37	790	<2	24	0.29	70	20	20	40	<10
547727	1640	3	2.59	22	690	12	60	0.13	50	30	44	10	70
547728	1045	<1	0.12	21	770	<2	26	0.19	51	10	18	30	<10
547729	2170	2	0.14	25	760	<2	31	0.18	51	20	18	90	<10
547833	1110	5	2.35	53	520	<2	156	1.02	478	<10	78	<10	50
547834	1150	<1	2.40	36	760	<2	59	0.22	59	<10	12	60	10
547835	2290	1	0.53	32	680	<2	52	0.18	56	<10	10	20	20
547836	990	<1	2.24	56	570	<2	160	0.79	313	<10	54	<10	70
547837	1385	3	0.26	29	670	<2	50	0.22	86	<10	26	<10	30
547838	1635	<1	1.38	26	770	<2	38	0.20	53	<10	22	90	<10
547839	725	1	0.30	40	750	<2	28	0.23	61	<10	36	30	10
547840	1295	<1	0.49	25	790	<2	44	0.18	59	10	12	60	<10
547841	1295	1	1.75	22	760	<2	75	0.13	37	<10	16	<10	20
547842	925	<1	1.00	22	700	<2	64	0.24	36	<10	12	<10	20
547852	1805	<1	0.26	25	930	<2	24	0.25	46	<10	10	70	<10
547853	540	<1	0.18	16	140	<2	8	0.14	44	<10	8	10	<10
547854	590	<1	0.64	29	740	2	34	0.21	49	10	22	60	<10
547855	1795	<1	2.50	44	760	<2	40	0.24	51	20	22	90	<10
547856	2605	<1	0.20	25	890	<2	127	0.10	57	20	16	40	<10
547857	730	<1	1.13	51	470	<2	36	0.79	352	30	52	10	10
547858	585	<1	1.06	29	810	<2	48	0.21	53	10	14	30	<10
547859	910	<1	0.99	69	760	<2	47	1.05	336	70	32	<10	20
547936	1300	4	2.43	38	870	16	440	1.31	380	60	844	30	<10
547937	200	4	1.01	68	200	<2	26	0.12	48	250	96	120	<10
547938	955	110	0.21	28	600	<2	120	0.17	98	100	56	110	<10
547939	90	<1	0.03	196	560	12	7	<0.01	10	80	32	600	<10
547940	1545	<1	0.61	10	290	<2	32	0.10	25	20	24	20	10
547941	720	<1	0.57	31	970	<2	48	0.22	54	30	24	30	<10
547942	330	180	0.16	19	600	<2	15	0.06	25	200	66	40	30
547943	805	198	0.18	12	600	<2	22	0.11	31	50	50	70	10
547944	535	10	2.89	6	3120	<2	53	0.93	69	60	46	70	<10
547945	835	<1	4.05	52	1180	<2	95	0.76	267	40	54	10	10
547946	1525	12	2.77	45	1920	<2	30	1.36	302	80	62	20	<10
547947	1205	<1	1.05	41	600	6	42	0.60	247	100	94	<10	20
547948	1585	13	1.95	76	140	6	26	0.37	182	70	66	20	10

CERTIFICATION: B. Campbell

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 : FAIRCHILD LAKE RAM
Comments: CC: MURRAY JONES CC: DAVID CAULFIELD

Certificate Date: 29-SEP-92
Invoice No. :
P.O. Number :
Account :BM

	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sr ppm	Ti %	V ppm	W ppm	Zn ppm	La ppm	U ppm
547949	1450	6	0.22	16	810	<2	29	0.06	56	40	22	70	<10
547956	225	5	3.96	21	<200	<2	28	0.48	88	700	198	20	<10
547957	1145	<1	0.24	67	<200	<2	9	0.04	207	300	174	10	10
547958	570	5	0.18	26	600	14	22	0.09	62	300	286	10	290
547959	375	270	0.20	29	1000	50	20	0.15	74	50	52	20	490
547960	1065	32	0.22	35	810	42	37	0.22	53	50	36	40	1180
547961	40	1624	0.20	31	1000	24	12	0.10	71	150	90	20	320
547962	440	16	0.20	27	600	6	139	0.16	92	350	126	10	30
548399	790	<1	0.49	33	770	<2	44	0.16	53	20	24	30	<10
548400	1110	<1	1.89	16	740	<2	70	0.22	51	10	4	<10	40
92-BK-01	1360	1	0.39	19	570	<2	39	0.18	56	<10	20	40	<10

CERTIFICATION: B. Campbell

Chemex Labs Ltd.

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212 Brooksbank Ave., North Vancouver
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To: PAMICON DEVELOPMENTS LIMITED

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

Project : FAIRCHILD LAKE - RAM
Comments: ATTN: M. JONES CC: D. CAULFIELD

Page Number :1
Total Pages :3
Certificate Date: 03-OCT-92
Invoice No. : I9222307
P.O. Number :
Account : BM

CERTIFICATE OF ANALYSIS A9222307

SAMPLE	PREP CODE	Cu %
AM92-001	244 --	
547018	244 --	
547019	244 --	
547083	244 --	1.02
547091	244 --	
547326	244 --	
547455	244 --	
547459	244 --	
547463	244 --	
547464	244 --	
547501	244 --	
547582	244 --	
547624	244 --	
547651	244 --	
547652	244 --	
547655	244 --	
547658	244 --	
547676	244 --	
547722	244 --	
547861	244 --	
547906	244 --	
547907	244 --	
547908	244 --	
547909	244 --	
547910	244 --	
547911	244 --	
547913	244 --	
547915	244 --	
547917	244 --	
547921	244 --	
547925	244 --	
547926	244 --	
547927	244 --	
547928	244 --	
547930	244 --	
547937	244 --	3.30
547938	244 --	1.29
547942	244 --	2.03
547943	244 --	1.44
547947	244 --	1.42

CERTIFICATION: W. Glen Tomasini

Chemex Labs Ltd.

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To: PAMICON DEVELOPMENTS LIMITED

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

Project : FAIRCHILD LAKE - RAM
Comments: ATTN: M. JONES CC: D. CAULFIELD

Page Number :2
Total Pages :3
Certificate Date: 03-OCT-92
Invoice No. : I9222307
P.O. Number :
Account : BM

CERTIFICATE OF ANALYSIS A9222307

SAMPLE	PREP CODE	Cu %
547950	244 --	
547951	244 --	
547952	244 --	
547954	244 --	
547956	244 --	6.38
547957	244 --	3.12
547958	244 --	4.13
547959	244 --	1.04
547961	244 --	2.09
547962	244 --	3.94
548004	244 --	
548006	244 --	
548008	244 --	
548009	244 --	
548011	244 --	
548014	244 --	
548015	244 --	
548018	244 --	
548019	244 --	
548023	244 --	
548030	244 --	
548031	244 --	
548032	244 --	
548034	244 --	
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548038	244 --	
548041	244 --	
548042	244 --	
548043	244 --	
548044	244 --	
548045	244 --	
548046	244 --	
548047	244 --	
548049	244 --	
548050	244 --	
548051	244 --	
548074	244 --	
548101	244 --	

CERTIFICATION: W. Stanimir

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 : FAIRCHILD
Comments: ATTN: MIKE STAMMERS

Page Number :1-A
Total Pages :1
Certificate Date: 11-NOV-92
Invoice No. :I9224079
P.O. Number :
Account :BM

CORRECTED COPY

CERTIFICATE OF ANALYSIS A9224079

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)
RAM 19929	205 274	10	2.6	0.54	40	< 0.5	6	0.35	< 0.5	4	256	791	0.62	0.23	0.30
RAM 19930	205 274	< 5	1.4	4.27	380	0.5	2	1.43	< 0.5	7	140	6340	1.69	2.05	0.98

CERTIFICATION: Thai D Ma

FOR U PPM

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 : FAIRCHILD
Comments: ATTN: MIKE STAMMERS

Page Number :1-B
Total Pages :1
Certificate Date: 11-NOV-92
Invoice No. :I9224079
P.O. Number :
Account :BM

CERTIFICATE OF ANALYSIS A9224079

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	U ppm ICP
RAM 19929	205 274	305	< 1	0.01	6	140	< 2	10	0.01	8	< 10	36	< 10	< 10
RAM 19930	205 274	1085	< 1	0.14	10	190	< 2	18	0.10	28	< 10	26	< 10	< 10

CERTIFICATION:

APPENDIX VII

GEOLOGIST'S CERTIFICATE

GEOLOGIST'S CERTIFICATE

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

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

2. I have practiced in my profession with various mining companies in Yukon, British Columbia and the Northwest Territories for 19 years.

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

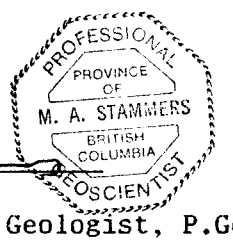
4. I am a Fellow of the Geological Association of Canada.

5. This report is based on property work I completed and directly supervised on September 3 and 6, 1992 combined with three years experience in the Wernecke terrain.

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

7. THAT I hereby grant permission to Westmin Resources Limited for the use of this report in any prospectus or other documentation required by any regulatory authority.

DATED at Vancouver, B.C., this 10 day of December, 1992.



Michael A. Stammers, Geologist, P.Geo., FGAC