MAP NO.:
106C 12
106D 09

ASSESSMENT REPORT
PROSPECTUS
CONFIDENTIAL X
OPEN FILE

DOCUMENT NO: 093120
MINING DISTRICT: MAYO
TYPE OF WORK: GEOCHEMICAL

REPORT FILED UNDER: EQUITY ENGINEERING LTD

DATE PERFORMED: AUG 24-25, 1992 **DATE FILED:** JUNE 11, 1993

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

LONG.: 134°03'W **VALUE $:** 13,300

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

WORK DONE BY: DAVID A. CAULFIELD

WORK DONE FOR: WESTMIN RESOURCES LTD.

DATE TO GOOD STANDING:

REMARKS: BRECCIAS BEING EVALUATED FOR OLYMPIC DAM TYPE CU U, AU, AG MINERALIZATION. 54 GRAB AND 27 LITHOGEOCHEMICAL ROCK SAMPLES WERE COLLECTED FROM THE PROPERTY.

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

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

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

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

For action are:

☐ NEW APPLICATION FOR PLACER LEASE TO PROSPECT	Name		
☐ RENEWAL APPLICATION PLACER LEASE TO PROSPECT	Name		Lease no.
☐ AFFIDAVIT OF EXPENDITURE ON PLACER LEASE	Name		Lease no.
☐ SECURITY DEPOSIT			
☐ FINANCIAL ABILITY			
☐ ASSIGNMENT OF PLACER LEASE NO.	From	To	
☐ GROUPING APPLICATION UNDER SEC. 52(2) PLACER MINING ACT.	Owner		
☐ DIAMOND DRILL LOGS	Claims		Claim sheet no.
☑ QUARTZ ASSESSMENT REPORT	Claims: Jazz 1-38		Claim sheet no.: 106-C-12/106-D-9
	Type of report: Geochemical	Submitted by: Equity Engineering Ltd/David Caulfield	
	Cls. work performed on		$ req. for ren. application: $13,300.00

Please return one numbered copy and index card for our files.

Signature

Date returned

REPLY ACTION

093120

Signature

802-6027-26 (6-86)

1992 GEOCHEMICAL REPORT ON THE JAZZ 1-38 CLAIMS

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

-prepared for-
WESTMIN RESOURCES LIMITED

093120

-prepared by-
David A. Caulfield, P.Geo.

DATES OF WORK PERFORMED: August 24-25, 1992
DATE OF REPORT: December, 1992

This report has been examined by the Geological Evaluation Unit under Section 53 (4) Yukon Quartz Mining Act and is allowed as representation work in the amount of $ 3,300

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

1992 GEOCHEMICAL REPORT ON THE JAZZ 1-38 CLAIMS

TABLE OF CONTENTS

1.0 INTRODUCTION

The Jazz 1-38 claims are located in the Wernecke Mountains, approximately 148 kilometres northeast of Mayo in east-central Yukon (Figure 1). The Wernecke Mountains are cored by at least 14,000 metres of generally fine-grained terrigenous and carbonate rocks of Helikian age that have been penetrated by mineralized breccias and cut by mafic sill and dykes. Exploration to date in the Wernecke Mountains has been directed sporadically at copper from the early 1900's until the discovery of uranium mineralization associated with hematite breccias in 1974. Occurrences of copper and breccia-related copper-gold-cobalt mineralization have been noted in the basin, but were largely bypassed in the search for uranium and lead-zinc deposits between 1974 and 1980. The geological setting of the Wernecke Mountains is excellent for hosting Olympic Dam copper-uranium-gold-silver breccia type deposits and the Jazz property was acquired on this basis.

Geological mapping, prospecting and lithogeochemical sampling were carried out over the Jazz property during August 1992. This work program was conducted jointly by Pamicon Developments Ltd. and Equity Engineering Ltd. for Westmin Resources Limited. The same companies have been retained to report on the fieldwork.

2.0 LIST OF CLAIMS

The Jazz property comprises 38 contiguous quartz mineral claims, located in the Mayo Mining District (Figure 2). Government records indicate that the following claims are owned by M. Stammers of North Vancouver, British Columbia. Separate documents indicate that they are held under option by Westmin Resources Limited.

TABLE 2.0.1
CLAIM DATA

Claim Name	Record Numbers	Record Date	Expiry Year
Jazz 1-6	YB28586-591	July 6, 1992	Dec. 31, 1996*
Jazz 7	YB28592	July 6, 1992	Dec. 31, 1996*
Jazz 8	YB28592	July 6, 1992	Dec. 31, 1996*
Jazz 9	YB28593	July 6, 1992	Dec. 31, 1996*
Jazz 10	YB28594	July 6, 1992	Dec. 31, 1996*
Jazz 11	YB28595	July 6, 1992	Dec. 31, 1996*
Jazz 12-14	YB28596-599	July 6, 1992	Dec. 31, 1996*
Jazz 15-22	YB28827-834	Aug. 24, 1992	Dec. 31, 1996*
Jazz 23	YB28835	Aug. 24, 1992	Dec. 31, 1996*
Jazz 24	YB28836	Aug. 24, 1992	Dec. 31, 1996*
Jazz 25	YB28837	Aug. 24, 1992	Dec. 31, 1996*
Jazz 26	YB28838	Aug. 24, 1992	Dec. 31, 1996*
Jazz 27	YB28839	Aug. 24, 1992	Dec. 31, 1996*

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

TABLE 2.0.1 (continued)
CLAIM DATA

Claim Name	Record Numbers	Record Date	Expiry Year
Jazz 28	YB28840	Aug. 24, 1992	Dec. 31, 1996*
Jazz 29-34	YB28841-846	Aug. 24, 1992	Dec. 31, 1996*
Jazz 35-38	YB28847-850	Aug. 24, 1992	Dec. 31, 1996*

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

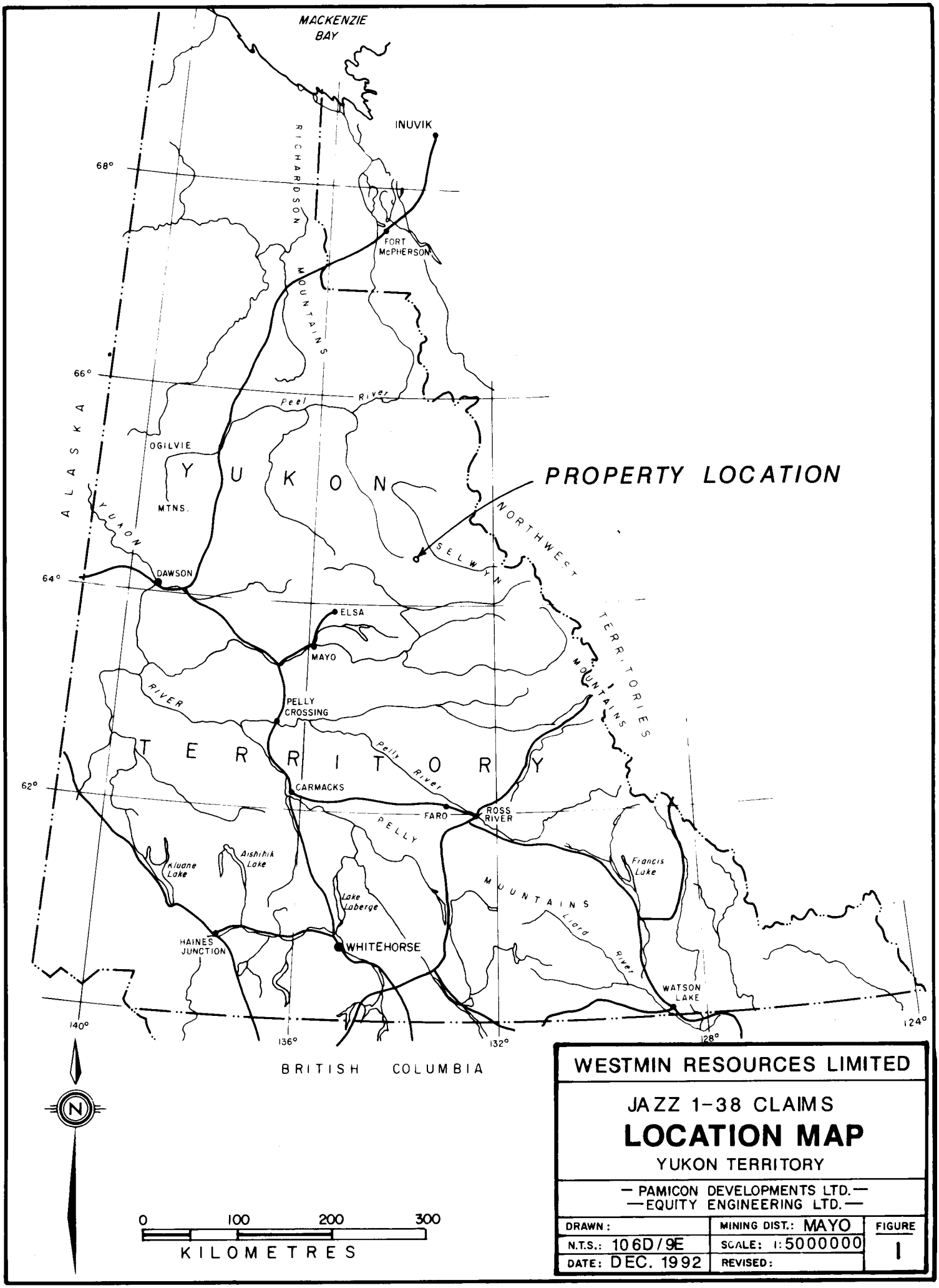
3.0 LOCATION, ACCESS AND PHYSIOGRAPHY

The Jazz property is located in the Wernecke Mountains of east-central Yukon, approximately 148 kilometres northeast of Mayo (Figure 1). The property is located 10 kilometres south-southwest of Gillespie Lake within the Gillespie Creek drainage system. The claims are situated in the Mayo Mining District, centered at 64° 38'north latitude and 134° 03' west longitude.

The Wernecke Mountains may be accessed from Mayo by float plane to a number of well distributed lakes and by wheeled aircraft to the 800 metre long gravel airstrip at Bear River, some 20 kilometres northwest of the Jazz property. Mayo has scheduled air service from Whitehorse. A branch of the Wind River tote road was built through the north end of the project area during the late 1950's to explore the Crest Iron deposit and was re-activated during the coal and uranium exploration boom in the late 1970's. Another winter tote road, which passes immediately to the south of the property, was utilized in the late 1960's for the exploration of copper occurrences at Dolores Creek. During the 1992 field program, access was by helicopter from a camp on a tributary of Breccia Creek located 7.5 kilometres northeast of the Bear River airstrip.

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

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



WESTMIN RESOURCES LIMITED

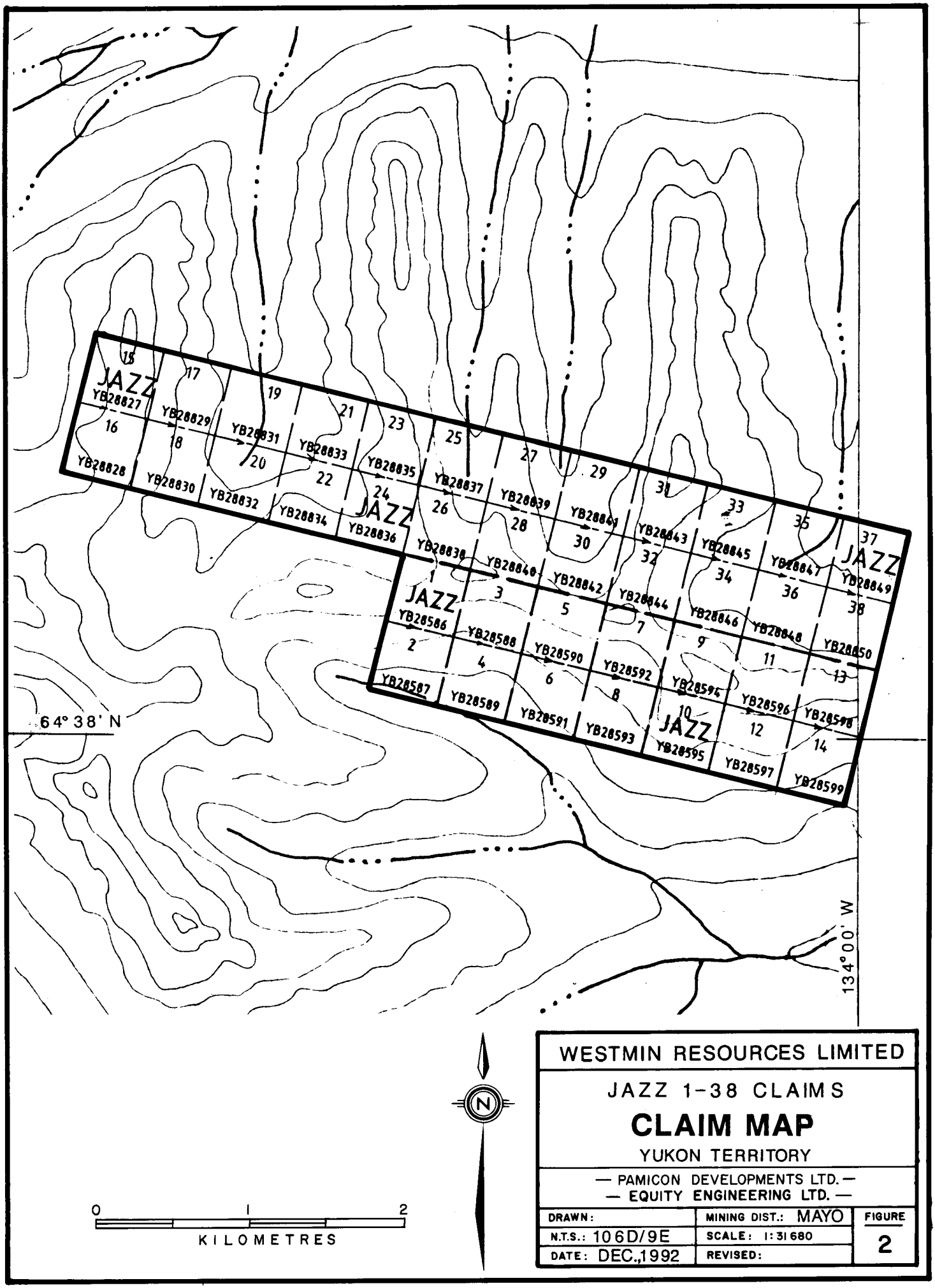
JAZZ 1-38 CLAIMS

LOCATION MAP

YUKON TERRITORY

— PAMICON DEVELOPMENTS LTD. —
— EQUITY ENGINEERING LTD. —

DRAWN:	MINING DIST.: MAYO	FIGURE 1
N.T.S.: 106D/9E	SCALE: 1:5000000	
DATE: DEC. 1992	REVISED:	



WESTMIN RESOURCES LIMITED

JAZZ 1-38 CLAIMS

CLAIM MAP

YUKON TERRITORY

— PAMICON DEVELOPMENTS LTD. —
— EQUITY ENGINEERING LTD. —

DRAWN:	MINING DIST.: MAYO	FIGURE
N.T.S.: 106D/9E	SCALE: 1:31 680	2
DATE: DEC.,1992	REVISED:	

4.0 REGIONAL AND AREA MINING HISTORY

4.1 Previous Work

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 (e.g. Urangesellschaft, Noranda) and joint ventures (e.g. Wernecke Joint Venture, Mountaineer Mines - Pan Ocean Oil Ltd.) were involved in exploration of breccia-related uranium mineralization. At this time, Pan Ocean drilled coal reserves on their leases to outline in excess of 500 million tonnes of low sulphur, high volatile bituminous coal in Cretaceous strata in the Bonnet Plume Basin located north of the Wernecke Mountain Range.

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

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

4.2 1992 Exploration Program

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

were taken.

Lithogeochemical samples were taken approximately 100 metres apart, generally along contours and ridge lines where outcrop exposures and talus slopes were accessible for sampling. The purpose of these samples was threefold: (1) to determine the tenor 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. Grab samples were taken from areas of visible copper mineralization. All rock samples are described in Appendix D, and analytical certificates are attached in Appendix E. Rock samples were analyzed geochemically for gold, lanthanum, uranium and 24-elements by 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.

Geological mapping was carried out on a scale of 1:10,000 and was limited to the lithogeochemical sample lines (Figure 4).

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 sill 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.

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

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

Legend on following page.

0 2 4 6
KILOMETRES

N

WESTMIN RESOURCES LIMITED		
JAZZ 1-38 CLAIMS		
REGIONAL GEOLOGY		
YUKON TERRITORY		
—PAMICON DEVELOPMENTS LTD.— —EQUITY ENGINEERING LTD.—		
DRAWN:	MINING DIST.: MAYO	FIGURE 3
N.T.S.: 106D/9E	SCALE: 1:100 000	
DATE: DEC. 1992	REVISED:	

LEGEND

(to accompany Figure 3)

LITHOLOGIES

QUATERNARY

Q Unconsolidated glacial and alluvial deposits.

PALEOZOIC

P Carbonate and siliciclastic sediments, undivided.

PROTEROZOIC

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

Kd Diabase

Kdi Diorite

Gb Gabbro

Bx ***Hematite breccia***

WERNECKE SUPERGROUP

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

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

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

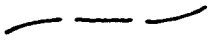
Pq_1 Black shale with sandstone and shale interbeds, quartzite.

Pq_2 Pyritic quartzite.

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

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

SYMBOLS


Geological contact (approximate)


Thrust fault (approximate)


Fault (approximate)


Bedding attitude


Bedding (overturned)


Anticlinal axis (arrow indicates plunge)


Synclinal axis (arrow indicates plunge)


Limit of unconsolidated glacial and alluvial deposits

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. Its lower contact and upper contact, which is marked by glacial deposits of the Rapitan Group (Ekwi Supergroup), are both erosional unconformities.

Strata of the Wernecke Supergroup are cut by numerous hematitic breccia complexes that are enriched in iron, uranium, barium, fluorine, copper, cobalt, rare earths and gold. At least 86 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 diorite dykes/sills, one body of peridotite (Delaney, 1981) and by more felsic intrusive bodies along the east side of the Bonnet Plume River. Several lamprophyre dykes approximately 1.0 metre wide, with books of fresh biotite up to 4.0 centimetres in diameter are found northwest of Fairchild Lake (Archer and Schmidt, 1978). K-Ar dating of biotite points to a Late Proterozoic or Early Cambrian age for these dykes (Delaney, 1981). Gabbroic dykes (**Gb**), tentatively assigned a Helikian age, occur in the southern half of the basin.

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

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

Fairchild Lake valley.

6.0 PROPERTY GEOLOGY AND MINERALIZATION

6.1 Property Geology

The Jazz property is underlain by a large northwesterly trending hematite breccia complex which has intruded Gillespie Lake Group dolomite of the Wernecke Supergroup (Figure 4). Outcrops of finely laminated grey to green siltstone, possibly forming rafts of sediments, are found within the confines of the hematite breccia body. The purple-red colour and castellate weathering of the breccia is easily recognizable against the orange weathering dolomitic background. The dolomite beds (**Unit Pg**) swing from an east-west strike and moderate southerly dip in the east half of the property to a more northerly strike and easterly dip on the western property boundary. Undisturbed Quartet Group siliclastic members (**Unit Pq**) lie to the south of the property across the creek valley.

The long axis of the hematite breccia body was mapped over a distance of 3.5 kilometres with greater than 700 metres width in the central part of the complex. The breccia is clearly discordant as vertical contacts with dolomite unit can be seen along the northern boundary. The northwestern part of the breccia is homolithic (comprised of one clast type). The homolithic phase (**Unit Bx_2**) contains pink to jasper coloured dolomite clasts that have been altered to hematite and silica. The degree of alteration and fragmentation increases inward from the margin of the breccia. Typically, the outermost homolithic breccia is clast-supported and consists of slightly rotated angular dolomite clasts that have been weakly metasomatised by silica and hematite. Specular hematite and carbonate minerals fill the fractures between clasts. On the other extreme, the breccia is matrix-supported with strongly milled fragments that have been intensely altered to hard, fine-grained jasper. On a hand specimen and outcrop scale, fragments up to 30 centimetres are not uncommon, although, the large blocks of Quartet Group siltstones found in the central portion of the breccia may in fact be dislocated rafts of sediments hundreds of metres in size. Bedding attitudes of these siltstones are not consistent with the sediments outside of the breccia. Red jasper veinlets crosscut a large block of light grey to brown laminated siltstone enclosed within homolithic breccia between samples 548223 and 548224.

Heterolithic phases (**Unit Bx_1**) are restricted to the central and southeast part of the breccia body. This phase of the breccia includes siliclastic sediments likely derived from the Quartet Group. The presence of two clast types may not necessarily indicate major vertical transport clasts within the breccia but may be more a function of breccia emplacement near or along the Gillespie-Quartet contact.

As noted above, the breccia clasts are altered by silica and hematite as are many of the Wernecke breccias. The Jazz breccias are distinguished by strong muscovite alteration in the breccia matrix. Other matrix alteration products include silica, chlorite, calcite, carbonate and minor biotite. Metallic minerals, in order of abundance, are specular hematite, magnetite, pyrite and chalcopyrite. Tetrahedrite was identified in one sample and chalcocite is suspected in two other samples.

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

6.2 Mineralization

Copper mineralization is associated with the hematite breccia and the gabbroic dykes. No significant mineralization is located outside of the breccia bodies. Areas of copper mineralization are usually marked by malachite and azurite. Erythrite was identified in talus at sample location 548206. Maximum values reported from all samples include 480 ppb gold, 100.0 ppm silver, 740 ppm bismuth, 754 ppm cobalt, 6.64% copper, 147 ppm molybdenum, 350 ppm tungsten, 740 ppm lanthanum and 100 ppm uranium. Except for sample AM92-001, lead, zinc, silver and uranium values are uniformly low. Higher gold, silver, molybdenum and tungsten grades correlate with the higher copper values. As expected, the highest copper values are contained in the grab samples taken from observed mineralization rather than the lithogeochemical samples.

The principal copper sulphide in the hematite breccias is chalcopyrite although chalcocite is suspected in samples AM92-001, 19927, 19941 and 548103. For example, only 1% chalcopyrite was identified for sample 19927 which assayed 5.46% copper and similarily, a sample of almost massive specular hematite (#19941) with <1% chalcopyrite assayed 2.15% copper. For both of these samples, the estimated chalcopyrite and the amount of malachite present cannot account for the high copper grade obtained. Pyrite and chalcopyrite are normally disseminated in the breccia matrix but in a number of higher grade grab samples, chalcopyrite is concentrated in pods or occurs along fractures.

A review of the lithogeochemical samples shows that higher copper grades are contained in the heterolithic (548061-074, 548206-212) rather than the homolithic hematite breccia (548201-205, 548215-224, 548402-425). Overall, the heterolithic brecia contains 40-800 ppm copper, whereas the homolithic breccia ranges from 1-280 ppm copper, with most below 20 ppm. However, smaller

zones of higher grade copper mineralization, with up to 5.46% Cu, occur within both homolithic and heterolithic breccia. Overall, the strong muscovite alteration of the breccia is reflected in the high potassium content and sodium values are only slightly enriched. Sample 548401, taken at some distance from the breccia, gives an idea of background values for unaltered dolomite.

The second type of copper mineralization is associated with gabbroic dykes. Narrow zones (<1.0 m) of chalcopyrite and pyrite mineralization, accompanied by intense chlorite and magnetite alteration, occurs at the margin of the dykes. This style of mineralization returned a maximum of 7913 ppm Cu and 95 ppb Au across one metre (548219).

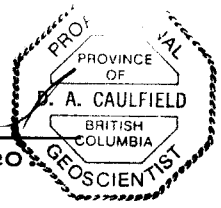
Tetrahedrite mineralization, estimated at 1%, is contained in float sample AM92-001 of hematite breccia which assayed 6.64% copper, 100.0 ppm silver, 70 ppm cadmium, 740 pm bismuth, >10000 ppm manganese and 2478 ppm zinc. Chromium, potassium, sodium and vanadium values were very low in comparison to all other samples taken. The high copper assay indicates that chalcocite may also be present.

7.0 CONCLUSIONS AND RECOMMENDATIONS

The Jazz property was staked to cover copper showings associated with a large northwesterly trending hematite breccia which intrudes Gillespie Lake Group dolomite. Two field days were spent examining the breccia potential for hosting Olympic Dam type copper-gold-uranium-silver deposits. This work resulted in the identification of copper mineralization in the hematite breccia and associated with later gabbroic dykes. Typical of the Wernecke breccias, specular hematite is ubiquitous, but the abundant muscovite/sericite is unique to the Jazz breccia body. Lithogeochemical sampling indicates that higher background copper values are contained within the heterolithic phase of the hematite breccia and the homolithic phase appears relatively depleted in copper. However, smaller zones within each breccia phase yielded grab samples exceeding 1% copper. In addition, chalcocite is likely contained within at least four samples although it was not identified in the field. These samples exemplify the difficulty identifying some copper species within a specular hematite matrix and indicate the importance of agressive rock sampling programs.

Further work is warranted on the Jazz property to test areas showing a concentration of higher copper values. Detailed mapping and control sampling is anticipated during hte next stage of exploration to define the areal extent of copper zones and to obtain a more accurate estimation of metal values. In particular, special attention should be paid to areas suspected of hosting chalcocite mineralization. The source and significance of the tetrahedrite-bearing float sample AM92-001 should be investigated.

Respectfully submitted,



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

Vancouver, British Columbia
December, 1992

1992 ROCK GEOCHEMICAL ANALYSES

Sample	Au(ppb)	Ag(ppm)	Co(ppm)	Cu(ppm)	La(ppm)	U(ppm)
AM92-001	50	100	13	6.64%	10	<10
19926	35	<0.2	3	25	60	<10
19927	130	9.6	754	5.46%	30	20
19928	75	0.6	39	2700	30	<10
19941	175	5.8	45	2.15%	170	<10
548061	<5	<0.2	18	312	50	<10
548062	5	1	47	5590	<10	30
548063	10	<0.2	14	273	130	<10
548064	15	<0.2	11	87	70	<10
548065	15	<0.2	22	24	60	<10
548066	20	<0.2	44	851	230	<10
548067	35	<0.2	16	230	80	<10
548068	30	<0.2	23	151	60	<10
548069	40	<0.2	19	530	170	<10
548070	50	<0.2	24	805	20	10
548071	20	<0.2	27	39	50	<10
548072	5	<0.2	12	8	250	<10
548073	<5	<0.2	16	45	40	<10
548074	45	<0.2	100	1.27%	40	<10
548101	40	1	48	2.86%	80	<10
548102	455	6	110	3.66%	20	30
548103	50	0.8	36	5025	70	<10
548104	165	0.6	20	4839	70	<10
548105	5	<0.2	8	145	10	20
548106	125	2.4	41	1.10%	<10	90
548107	135	<0.2	57	4192	80	<10
548108	40	0.6	80	2603	10	10
548109	10	<0.2	24	44	<10	30
548110	25	<0.2	6	1561	<10	20
548111	15	<0.2	36	267	10	<10
548112	55	<0.2	38	1294	80	<10
548113	305	1.8	27	3463	<10	30
548114	480	2.6	16	4646	<10	100
548115	<5	<0.2	29	891	40	<10
548116	120	0.4	273	6203	<10	30
548117	40	0.6	374	7569	<10	70
548201	55	<0.2	581	44	80	<10
548202	65	<0.2	753	26	40	<10
548203	10	<0.2	26	10	30	<10
548204	30	<0.2	80	13	70	<10
548205	35	<0.2	118	78	740	<10
548206	35	0.6	432	530	<10	10
548207	20	<0.2	14	8	50	<10
548208	15	<0.2	39	666	30	<10
548209	10	<0.2	12	35	30	<10
548210	10	<0.2	17	10	40	<10
548211	30	<0.2	18	1253	150	<10
548212	20	<0.2	29	16	40	<10
548213	15	<0.2	6	21	40	<10
548214	15	<0.2	20	17	10	10
548215	20	<0.2	20	14	30	10
548216	10	<0.2	10	4	<10	20
548217	<5	<0.2	11	3	<10	10
548218	15	<0.2	19	36	<10	10
548219	95	1	23	7913	10	20
548220	10	<0.2	13	21	10	<10
548221	60	2	73	1860	100	<10
548222	15	<0.2	6	37	40	<10
548223	10	<0.2	12	39	10	10
548224	10	<0.2	15	10	20	<10
548401	<5	<0.2	11	6	<10	70
548402	10	<0.2	6	1	50	<10
548403	<5	<0.2	8	1	50	<10
548404	<5	<0.2	13	2	40	<10
548405	<5	<0.2	6	3	50	<10
548406	<5	<0.2	5	13	60	<10
548407	15	<0.2	7	6	30	<10
548408	5	<0.2	10	4	40	<10
548409	<5	<0.2	6	2	50	<10
548410	20	<0.2	10	3	20	<10
548411	10	<0.2	17	6	60	<10
548412	15	<0.2	6	11	60	<10
548413	10	<0.2	5	1	60	<10
548414	5	<0.2	12	15	60	<10
548415	50	<0.2	10	123	70	<10
548416	<5	<0.2	8	4	40	10
548417	<5	<0.2	6	1	90	<10
548418	115	3.6	14	1.89%	80	<10
548419	10	<0.2	8	65	60	<10
548420	10	<0.2	10	43	30	10
548421	5	<0.2	8	3	20	<10
548422	<5	<0.2	10	4	60	<10
548423	75	<0.2	9	3	20	<10
548424	<5	<0.2	11	22	30	<10
548425	25	<0.2	10	281	90	<10

LEGEND

LITHOLOGIES

PROTEROZOIC

Gb Gabbro

Bx *Hematite breccia*
- Bx_1 Heterolithic breccia
- Bx_2 Homolithic 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.

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

SYMBOLS

- Geological contact (approximate)
- Fault (assumed)
- Bedding
- △,▲ Lithogeochemical sample (float, outcrop)
- □,■ Grab sample from mineralization (float, outcrop)
- Dyke or vein

0 100 500 1000 1500

METRES

DWG 175 093120

WESTMIN RESOURCES LIMITED

JAZZ 1-38 CLAIMS

ROCK GEOCHEMISTRY

YUKON TERRITORY

PAMICON DEVELOPMENTS LTD.

EQUITY ENGINEERING LTD.

Drawn:	Mining Dist.: MAYO	FIGURE 4
N.T.S.: 106 D/9E	Scale: 1 : 10,000	
Date: DEC., 1992	Revised:	

APPENDIX A

BIBLIOGRAPHY

BIBLIOGRAPHY

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Yukon Assessment Reports: 90298

APPENDIX B

LIST OF PERSONNEL

LIST OF PERSONNEL

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

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

Al Montgomery (Field Geologist)
711, 675 West Hastings Street
Vancouver, B.C. V6B 1N2

K. Parsons (Cook)
c/o TNTA
Carmacks, Yukon

Chris Rockingham (Geologist)
904 - 1055 Dunsmuir Street
Vancouver, B.C. V7X 1C4

APPENDIX C

STATEMENT OF EXPENDITURES

STATEMENT OF EXPENDITURES
JAZZ 1-38 CLAIMS

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

I, Mike Stammers for Equity Engineering Ltd., 207, 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 Jazz 1-38 Mineral Claims during the period August 24 - 25, 1992.

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

PROFESSIONAL FEES AND WAGES:		
David A. Caulfield, Sr. Geol.		
2.75 days @ $375/day	$ 1,031.25	
Chris Rockingham, Geologist		
2 days @ $300/day	600.00	
Al Montgomery, Field Geologist		
2 days @ $300/day	600.00	
Tom Bell, Prospector		
2.75 days @ $250/day	687.50	
K. Parsons, Cook		
1 days @ $250/day	250.00	$ 3,168.75
EXPENSES:		
Travel, Accomodation & Meals	$ 220.40	
Airfares	170.50	
Camp Food	217.40	
Camp Fuel	14.14	
Camp Rental	328.62	
Radio Rental	45.93	
Field Equipment Rental	26.95	
Equipment Fuel	7.92	
Truck Rental	115.53	
Field Equipment & Supplies	228.16	
Maps and Reproductions	42.80	
Expediting	57.18	
Telephone and Communications	39.45	
Helicopter & Fuel	2,625.45	
Fixed Wing	1,122.00	
Freight	46.02	
Assays (87 samples @ $14.95)	1,300.65	
Lawyers Fee (notarizing forms)	3.50	
Clerical (UTM's)	126.22	
Report	1,981.97	
Management Fees	1,525.67	$ 10,246.46

SUBTOTAL:	$ 13,415.21
GST:	
7% on subtotal	939.06
TOTAL:	$ 14,354.27

Notes:

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

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

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

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

APPENDIX D

ROCK SAMPLE DESCRIPTIONS

MINERALS AND ALTERATION TYPES

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

ALTERATION INTENSITIES

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

Property : JAZZ NTS : 106D/9 Date : 12/08/92

Sample No.						Au	Ag	Co	Cu	La	U
	Location :	7168 450 N	Type : Float	Alteration :	SI	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
		545 800 E	Strike Length Exp. : m	Sulphides :	HS						
19926	Elevation:	5600 ft	Sample Width : m	Oxides :	HE	35.	<0.2	3.	25.	60.	<10.
	Orientation:	/	True Width : m	Host :	Heterolithic breccia						

Comments : Jazz 6 claim. Composite grab of breccia along contour line over 100m; breccia typically jasperoidal with minor hematite; no copper noted.

Sample No.						Au	Ag	Co	Cu	La	U
	Location :	7168 350 N	Type : Select	Alteration :		(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
		546 000 E	Strike Length Exp. : m	Sulphides :	1%CP						
19927	Elevation:	5600 ft	Sample Width : m	Oxides :	wGE, wMC	130.	9.6	754.	5.46%	30.	20.
	Orientation:	/	True Width : m	Host :	Heterolithic breccia						

Comments : Jazz 6 claim. Disseminated fine grained chalcopyrite and minor malachite noted over immediate area.

Sample No.						Au	Ag	Co	Cu	La	U
	Location :	7168 150 N	Type : Float	Alteration :		(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
		546 550 E	Strike Length Exp. : m	Sulphides :	trCP						
19928	Elevation:	6200 ft	Sample Width : m	Oxides :	w-mMC	75.	0.6	39.	2700.	30.	<10.
	Orientation:	/	True Width : m	Host :	Heterolithic breccia						

Comments : Jazz 10 claim. Sample of several pieces of malachite stained breccia talus material; breccia characterized by 4cm-10cm, angular, red and green aphanitic fragments in very fine grained black ground mass.

Sample No.						Au	Ag	Co	Cu	La	U
	Location :	7168 150 N	Type : Float	Alteration :		(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
		546 650 E	Strike Length Exp. : m	Sulphides :	<1%CP, HS						
19941	Elevation:	6500 ft	Sample Width : m	Oxides :	sAZ, sMC	175.	5.8	45.	2.15%	170.	130.
	Orientation:	/	True Width : m	Host :	Heterolithic breccia						

Comments : Jazz 10 claim. Strong AZ/MC stain over <5m area of breccia and siltstone(?); quick select grab of float at base of outcrop including massive hematite and minor disseminated fine grained chalcopyrite.

Sample No.						Au	Ag	Co	Cu	La	U
	Location :	7169 130 N	Type : Float	Alteration :	HE	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
		546 280 E	Strike Length Exp. : m	Sulphides :	1%TT, HS						
92001	Elevation:	5500 ft	Sample Width : m	Oxides :	mAZ, mMC	50.	100.0	13.	6.64.	10.	0.
	Orientation:	/	True Width : m	Host :	Hematitic breccia/dolomite						

Comments : 2 or 3 small blocks of talus to 30cm diameter of hematitic breccia, in dolomite talus field; moderate malachite and azurite. 80m at 195o from claim post No. 1 - Jazz 31, 32.

Sample No.						Au	Ag	Co	Cu	La	U
	Location :	7168 040 N	Type : Grab	Alteration :	AK, CB, mMS, mSI	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
		547 800 E	Strike Length Exp. : m	Sulphides :	<1%CP, <1%PY						
548061	Elevation:	5625 ft	Sample Width : m	Oxides :	w-mJA, MC	<5	<0.2	18.	312.	50.	<10
	Orientation:	/	True Width : m	Host :	Heterolithic breccia						

Comments : Buff to dk. green weathered; light tan fresh; abundant angular-sub rounded <1cm to >0.5m clasts of aphanitic to fine-grained massive, banded sediments including carbonate; fine-grained ground mass is micaceous and siliceous.

Sample No.						Au	Ag	Co	Cu	La	U
	Location :	7168 040 N	Type : Select	Alteration :	AD?, KF?. SI	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
		547 800 E	Strike Length Exp. : m	Sulphides :	1%CP, trPY						
548062	Elevation:	5625 ft	Sample Width : m	Oxides :	JA, MC, m-sMN	5.	1.0	47.	5590.	0.	30.
	Orientation:	/	True Width : m	Host :	Heterolithic breccia						

Comments : Mineralized breccia along contact with sediments; chalcopyrite is fine-grained to coarse-grained, disseminated and patchy accumulations and in adularia?? stringers.

Sample No.						Au	Ag	Co	Cu	La	U
	Location :	7167 970 N	Type : Grab	Alteration :	CB, CL, KF?, MS, SI	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
		547 690 E	Strike Length Exp. : m	Sulphides :	<1%CP, 2%MG						
548063	Elevation:	5513 ft	Sample Width : m	Oxides :	JA, MC	10.	<0.2	14.	273.	130.	<10
	Orientation:	/	True Width : m	Host :	Heterolithic breccia						

Comments : Pinkish-maroon weathered, green-lt. grey fresh, similar breccia to last two samples; variable chlorite, silica, muscovite, ankerite, feldspar?? alteration; minor fine-grained disseminated chalcopyrite and rare malachite. Weak fizz.

Sample No.						Au	Ag	Co	Cu	La	U
	Location :	7167 940 N	Type : Grab	Alteration :	KF?, MS, SI	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
		547 580 E	Strike Length Exp. : m	Sulphides :	1-2%HS						
548064	Elevation:	5530 ft	Sample Width : m	Oxides :	JA	15.	<0.2	11.	87.	70.	<10
	Orientation:	/	True Width : m	Host :	Heterolithic breccia						

Comments : Similar breccia, weakly fractured, blocky weathering no signs of copper mineralization; non-magnetic.

Sample No.						Au	Ag	Co	Cu	La	U
	Location :	6167 940 N	Type : Grab	Alteration :	AD?, BI, CB, KF?, MS, SI?	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
		547 440 E	Strike Length Exp. : m	Sulphides :	1-3%HS						
548065	Elevation:	5625 ft	Sample Width : m	Oxides :	GE	15.	<0.2	22.	24.	60.	<10
	Orientation:	/	True Width : m	Host :	Heterolithic breccia						

Comments : Similar breccia; noted cluster of coarse biotite crystals; 1-3% fine-grained to coarse-grained disseminated hematite; clear, euhedral feldspar (?) crystals to 2-3mm diameter; no copper mineralization noted.

Sample No.						Au	Ag	Co	Cu	La	U
	Location :	7167 890 N	Type : Grab	Alteration :	AD?, CB, KF?, MS, SI?	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
		547 340 E	Strike Length Exp. : m	Sulphides :	<1%CP, <1%PY, 1-3%HS						
548066	Elevation:	5710 ft	Sample Width : m	Oxides :	GE	20.	<0.2	44.	851.	230.	<10
	Orientation:	/	True Width : m	Host :	Heterolithic breccia						

Comments : Similar breccia; chalcopyrite as fine-grained within coarser magnetite (not present in most pieces looked at); pyrite as coarse euhedral crystals along band in one piece.

Sample No.						Au	Ag	Co	Cu	La	U
	Location :	7168 010 N	Type : Grab	Alteration :	mCL, KF?, MS, SI	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
		547 280 E	Strike Length Exp. : m	Sulphides :	1%HS						
548067	Elevation:	5940 ft	Sample Width : m	Oxides :	GE	35.	<0.2	16.	230.	80.	<10
	Orientation:	/	True Width : m	Host :	Heterolithic breccia						

Comments : Located at claim post No. 1 - Jazz 13 & 14; similar heterolithic breccia, noticeable chlorite (alteration) in groundmass; no copper mineralization noticed.

Sample No.	Location :	7167 990 N	Type : Grab	Alteration :	CB, CL, KF?, SI	Au	Ag	Co	Cu	La	U
		547 210 E	Strike Length Exp. : m	Sulphides :	1-2%HS	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
548068	Elevation:	6010 ft	Sample Width : m	Oxides :	GE	30.	<0.2	23.	151.	60.	<10
	Orientation:	/	True Width : m	Host :	Heterolithic breccia						

Comments : Similar breccia; select of non-mineralized material; groundmass varies from predominantly chlorite to predominantly pink feldspar(?); sample 548069 select of mineralized material in this area.

Sample No.	Location :	7167 990 N	Type : Select	Alteration :	CL, KF?, MS, SI	Au	Ag	Co	Cu	La	U
		547 210 E	Strike Length Exp. : m	Sulphides :	trCP	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
548069	Elevation:	6010 ft	Sample Width : m	Oxides :	GE, MC	40.	<0.2	19.	530.	170.	<10
	Orientation:	/	True Width : m	Host :	Heterolithic breccia						

Comments : Sample location same as 548068; select of material with malachite; malachite quite common on broken surfaces.

Sample No.	Location :	7168 050 N	Type : Grab	Alteration :	mCB, wCL, KF?, mSI	Au	Ag	Co	Cu	La	U
		547 110 E	Strike Length Exp. : m	Sulphides :	trPY, >1%HS	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
548070	Elevation:	6170 ft	Sample Width : m	Oxides :	None	50.	<0.2	24.	805.	20.	10.
	Orientation:	/	True Width : m	Host :	Altered sediments/heterolithic breccia						

Comments : Similar heterolithic breccia - silicified with altered and auto-brecciated sediments. No copper mineralization noticed.

Sample No.	Location :	7167 130 N	Type : Grab	Alteration :	CB, CL, KF?, SI	Au	Ag	Co	Cu	La	U
		547 155 E	Strike Length Exp. : m	Sulphides :	2-3%HS	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
548071	Elevation:	6395 ft	Sample Width : m	Oxides :	GE	20.	<0.2	27.	39.	50.	<10
	Orientation:	/	True Width : m	Host :	Heterolithic breccia						

Comments : Similar breccia; at sediment contact; a few rusty weathered spots, but no sulphides or copper mineralization noticed. Sediments aphanitic, light greenish to grey, silicified.

Sample No.	Location :	7168 190 N	Type : Grab	Alteration :	sCL, KF?, SI	Au	Ag	Co	Cu	La	U
		547 060 E	Strike Length Exp. : m	Sulphides :	<1%HS	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
548072	Elevation:	6370 ft	Sample Width : m	Oxides :	GE	5.	<0.2	12.	8.	250.	<10
	Orientation:	/	True Width : m	Host :	Heterolithic breccia (banded)/altered sediments						

Comments : Mix of rock types, probably close to contact; chlorite and silica are most obvious alteration minerals; malachite noted 20m east, none seen in sample.

Sample No.	Location :	7168 140 N	Type : Grab	Alteration :	CB, mCL, KF?, SI	Au	Ag	Co	Cu	La	U
		546 940 E	Strike Length Exp. : m	Sulphides :	trCP, 1%HS	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
548073	Elevation:	6340 ft	Sample Width : m	Oxides :	GE	<5	<0.2	36.	45.	40.	<10
	Orientation:	/	True Width : m	Host :	Heterolithic breccia						

Comments : Sampled at claim post No. 1 - Jazz 11 & 12. Variably altered, chlorite, quartz, potassium feldspar(?), fe-carbonate interstitial; rare medium-grained disseminated chalcopyrite and specular hematite.

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Sample No.						Au	Ag	Co	Cu	La	U
	Location :	7168 140 N	Type : Select	Alteration :	CL, KF?, SI	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
		546 940 E	Strike Length Exp. : m	Sulphides :	1%CP, trPY						
548074	Elevation:	6340 ft	Sample Width : m	Oxides :	AZ, GE, sMC	45.	<0.2	100.	1.27%	40.	<10
	Orientation:	/	True Width : m	Host :	Heterolithic breccia						

Comments : Sample collected 5m from 548073, fracture controlled(?) chalcopyrite-pyrite (fine-grained to coarse-grained) with very strong malachite and fe-oxide over 1m by 2m.

Sample No.						Au	Ag	Co	Cu	La	U
	Location :	7169 550 N	Type : Float	Alteration :	mCB, sCL, MS	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
		544 870 E	Strike Length Exp. : m	Sulphides :	2-3%CP, 10-15%HS						
548101	Elevation:	6300 ft	Sample Width : m	Oxides :	JA, MC	40.	1.0	48.	2.86%	80.	<10
	Orientation:	/	True Width : m	Host :	Breccia						

Comments : Taken in talus 25m below outcrop with breccia/dolomite contact. Representative grab over 2m radius.

Sample No.						Au	Ag	Co	Cu	La	U
	Location :	7169 530 N	Type : Float	Alteration :	CB, sMS	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
		544 870 E	Strike Length Exp. : m	Sulphides :	5-7%CP, 50%HS						
548102	Elevation:	6300 ft	Sample Width : m	Oxides :	AZ, MC, HE	455.	6.0	110.	3.66%	20.	30.
	Orientation:	/	True Width : m	Host :	Breccia						

Comments : Taken from two rocks in talus, 10m along slope from 548101. Pod-like mineralization.

Sample No.						Au	Ag	Co	Cu	La	U
	Location :	7169 460 N	Type : Grab	Alteration :	wCA, sMS	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
		544 880 E	Strike Length Exp. : 2 m	Sulphides :	40%HS						
548103	Elevation:	6400 ft	Sample Width : 50 cm	Oxides :	None	50.	0.8	36.	5025.	70.	<10
	Orientation:	/	True Width : 50 m	Host :	Breccia						

Comments : Taken in outcrop; zone 2m in width.

Sample No.						Au	Ag	Co	Cu	La	U
	Location :	7169 310 N	Type : Float	Alteration :	mCB, mCL, sMS, SI	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
		544 940 E	Strike Length Exp. : m	Sulphides :	2-3%CP, 20%HS						
548104	Elevation:	6475 ft	Sample Width : 5 m	Oxides :	MC	165.	0.6	20.	4839.	70.	<10
	Orientation:	/	True Width : 5 m	Host :	Breccia						

Comments : Taken in subcrop, 5m radius.

Sample No.						Au	Ag	Co	Cu	La	U
	Location :	7169 010 N	Type : Grab	Alteration :		(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
		545 220 E	Strike Length Exp. : 20 m	Sulphides :	trCP, 60-70%HS						
548105	Elevation:	6550 ft	Sample Width : 50 cm	Oxides :	None	5.	<0.2	8.	145.	10.	20.
	Orientation:	150 / 50 NW	True Width : 50 cm	Host :							

Comments : Narrow bands of massive hematite about 1-2m wide. Sample from top two zones with subcrop and siderite.

Sample No.	Location	Type	Alteration	Au (ppb)	Ag (ppm)	Co (ppm)	Cu (ppm)	La (ppm)	U (ppm)
548106	7268 960 N 545 320 E Elevation: 6425 ft Orientation: 015 / 35 NW	Grab Strike Length Exp. : 1 m Sample Width : 10 cm True Width : 10 cm	sCA, sCB, sHE 1-2%CP MC Breccia	125.	2.4	41.	1.10%	0.	90.

Comments :

Sample No.	Location	Type	Alteration	Au (ppb)	Ag (ppm)	Co (ppm)	Cu (ppm)	La (ppm)	U (ppm)
548107	7168 660 N 545 900 E Elevation: 6400 ft Orientation: 340 / 90	Float Strike Length Exp. : m Sample Width : 3 m True Width : m	sCL, wMS, mQZ, sHE 1%CP, 10-20%MG, <1%PY mJA Breccia	135.	<0.2	57.	4192.	80.	<10

Comments : Fault zone. Grab from subcrop.

Sample No.	Location	Type	Alteration	Au (ppb)	Ag (ppm)	Co (ppm)	Cu (ppm)	La (ppm)	U (ppm)
548108	7168 690 N 546 250 E Elevation: 6400 ft Orientation: /	Float Strike Length Exp. : m Sample Width : 2 m True Width : m	CL, mHE 1-2%CP, 10%MG wMC Breccia	40.	0.6	80.	2603.	10.	10.

Comments : Subcrop sample below outcrop. Contains actinolite?

Sample No.	Location	Type	Alteration	Au (ppb)	Ag (ppm)	Co (ppm)	Cu (ppm)	La (ppm)	U (ppm)
548109	7168 540 N 546 540 E Elevation: 6300 ft Orientation: /	Float Strike Length Exp. : m Sample Width : m True Width : m	sBi, mMS trCP, 20-30%HS None Feldspar porphyry	10.	<0.2	24.	24.	0.	30.

Comments : Biotite/specular hematite matrix in a feldspar porphyry, composite of 3 float pieces.

Sample No.	Location	Type	Alteration	Au (ppb)	Ag (ppm)	Co (ppm)	Cu (ppm)	La (ppm)	U (ppm)
548110	7168 490 N 546 630 E Elevation: 6350 ft Orientation: /	Grab Strike Length Exp. : m Sample Width : 1 m True Width : 1 m	sCB, sMS <1%CP, sHS None Breccia?	25.	<0.2	6.	1561.	0.	20.

Comments : 1m radius zone.

Sample No.	Location	Type	Alteration	Au (ppb)	Ag (ppm)	Co (ppm)	Cu (ppm)	La (ppm)	U (ppm)
548111	7168 470 N 546 540 E Elevation: 6325 ft Orientation: 020 / 90	Grab Strike Length Exp. : m Sample Width : 50 cm True Width : 50 cm	QZ, mHE <1%CP, 1-2%PY sGE Breccia	15.	<0.2	36.	267.	10.	<10

Comments :

Sample No.	Location	Type	Alteration		Au	Ag	Co	Cu	La	U
	7168 440 N	Float	mCB, mMS, mQZ		(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
	546 590 E	Strike Length Exp. : m	Sulphides	: sHS						
548112	Elevation: 6400 ft	Sample Width : m	Oxides	: None	55.	<0.2	38.	1294.	80.	<10
	Orientation: /	True Width : m	Host	: Breccia						

Comments : Sample taken over 2.0 metre radius.

Sample No.	Location	Type	Alteration		Au	Ag	Co	Cu	La	U
	7168 370 N	Float	sCB, sQZ, mHE		(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
	546 660 E	Strike Length Exp. : m	Sulphides	: 1%CP, HS						
548113	Elevation: 6400 ft	Sample Width : m	Oxides	: JA	305.	1.8	27.	3463.	0.	30.
	Orientation: /	True Width : m	Host	: Breccia						

Comments : Sample from one float rock.

Sample No.	Location	Type	Alteration		Au	Ag	Co	Cu	La	U
	7168 330 N	Float	CA, sHE		(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
	546 670 E	Strike Length Exp. : m	Sulphides	: 1%CP, 20-25%HS						
548114	Elevation: 6400 ft	Sample Width : m	Oxides	: None	480.	2.6	16.	4646.	0.	100.
	Orientation: /	True Width : m	Host	: Breccia						

Comments : Sample from one float rock.

Sample No.	Location	Type	Alteration		Au	Ag	Co	Cu	La	U
	7168 290 N	Float	HE		(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
	546 665 E	Strike Length Exp. : m	Sulphides	: 1%CP, >5%HS						
548115	Elevation: 6400 ft	Sample Width : m	Oxides	: None	<5	<0.2	29.	891.	40.	<10
	Orientation: /	True Width : m	Host	: Breccia						

Comments : Taken from a few rocks. Fair amount of this float at this location.

Sample No.	Location	Type	Alteration		Au	Ag	Co	Cu	La	U
	7168 210 N	Float	sBI, mCA, mHE		(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
	546 610 E	Strike Length Exp. : m	Sulphides	: 1%CP, 5-10%HS						
548116	Elevation: 6350 ft	Sample Width : m	Oxides	: None	120.	0.4	273.	6203.	0.	30.
	Orientation: /	True Width : m	Host	: Breccia						

Comments : With calcite and actinolite? from talus and outcrop.

Sample No.	Location	Type	Alteration		Au	Ag	Co	Cu	La	U
	7168 160 N	Grab	CA, sCL, sHE		(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
	546 620 E	Strike Length Exp. : 2 m	Sulphides	: 1%CP						
548117	Elevation: 6350 ft	Sample Width : 10 cm	Oxides	: None	40.	0.6	374.	7569.	0.	70.
	Orientation: 160 / 40 NE	True Width : 10 cm	Host	: Breccia						

Comments : Calcite and actinolite? vein.

Sample No.						Au	Ag	Co	Cu	La	U
	Location :	7168 460 N	Type : Grab	Alteration :	wCA, wCB, mCL,mMS,wSI,mHE	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
		545 610 E	Strike Length Exp. : >50 m	Sulphides :	trMG, trPY, 5%HS						
548201	Elevation:	1690 m	Sample Width : 2x2 m	Oxides :	wJA	55.	<0.2	581.	44.	80.	<10
	Orientation:	/	True Width : m	Host :	Homolithic (dolomite) hematite breccia						

Comments : Sample taken at claim posts No. 2 - Jazz 3, 4, and No. 1 - Jazz 5, 6. Angular fragments (3-4cm average) are silicified, hematite altered dolomite.

Sample No.						Au	Ag	Co	Cu	La	U
	Location :	7168 450 N	Type : Float	Alteration :	mCA, wCB, mCL,mMS,mSI,mHE	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
		545 720 E	Strike Length Exp. : m	Sulphides :	5-7%HS						
548202	Elevation:	1692 m	Sample Width : m	Oxides :	None	65.	<0.2	753.	26.	40.	<10
	Orientation:	/	True Width : m	Host :	Homolithic (dolomite) hematite breccia						

Comments : Sample taken 100m east of 548201. Sample was collected from talus.

Sample No.						Au	Ag	Co	Cu	La	U
	Location :	7168 400 N	Type : Grab	Alteration :	wCA,wCB,mCL,w-mMS,mSI,mHE	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
		545 800 E	Strike Length Exp. : >30 m	Sulphides :	3%MG, 5-7%HS						
548203	Elevation:	1700 m	Sample Width : 2x2 m	Oxides :	wJA	10.	<0.2	26.	10.	30.	<10
	Orientation:	/	True Width : m	Host :	Homolithic (dolomite) hematite breccia						

Comments : Sample taken 100m east along contour from 548202. Clasts are angular to subrounded, average approximately 3cm with fragments up to 20cm.

Sample No.						Au	Ag	Co	Cu	La	U
	Location :	7168 390 N	Type : Grab	Alteration :	mCA, wCB, sCL, m-sMS, HE	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
		545 890 E	Strike Length Exp. : 5.0 m	Sulphides :	3-5%HS						
548204	Elevation:	1700 m	Sample Width : 3x3 m	Oxides :	wJA	30.	<0.2	80.	13.	70.	<10
	Orientation:	/	True Width : m	Host :	Homolithic (dolomite) hematite breccia						

Comments : Breccia is clast supported with angular fragments. Sample taken 100m along (easterly) contour from 548203.

Sample No.						Au	Ag	Co	Cu	La	U
	Location :	7168 380 N	Type : Float	Alteration :	mCB, mSI, sHE	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
		545 990 E	Strike Length Exp. : m	Sulphides :	3-5%HS						
548205	Elevation:	1700 m	Sample Width : m	Oxides :	None	35.	<0.2	118.	78.	740.	<10
	Orientation:	/	True Width : m	Host :	Homolithic (dolomite) hematite breccia						

Comments : Sample taken east along 1700m contour, approximately 50m west from claim posts No. 2 - Jazz 5, 6 and No. 1 - Jazz 7, 8. Breccia is fragment supported and light pink (pervasive HE) in colour.

Sample No.						Au	Ag	Co	Cu	La	U
	Location :	7168 360 N	Type : Float	Alteration :	wCA, wMS, sSI	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
		546 020 E	Strike Length Exp. : m	Sulphides :	1%CP, trMG, 2%PY, <1%HS						
548206	Elevation:	1710 m	Sample Width : m	Oxides :	MC, ER	35.	0.6	432.	530.	0.	10.
	Orientation:	/	True Width : m	Host :	Heterolithic silica breccia						

Comments : Sample taken 40m east from 548205. Angular float (10x30cm) of silica, matrix-supported breccia with quartz, silicified?, and graphitic shale fragments. Copper mineralization not uncommon in talus.

Property : JAZZ NTS : 106D/9 Date : 12/08/92

Sample No.	Location :	7168 310 N	Type : Grab	Alteration :	wCA, wCB, sCL, sMS, mSI	Au	Ag	Co	Cu	La	U
		546 080 E	Strike Length Exp. : 25 m	Sulphides :	trPY, 3-5%HS	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
548207	Elevation:	1715 m	Sample Width : 2x4 m	Oxides :	JA	20.	<0.2	14.	8.	50.	<10
	Orientation:	/	True Width : m	Host :	Heterolithic breccia						

Comments : Sample located 25m east along contour from claim post No. 1 - Jazz 7, 8.

Sample No.	Location :	7168 310 N	Type : Float	Alteration :	wCA, wCB, mCL,sMS,sSI,mHE	Au	Ag	Co	Cu	La	U
		546 190 E	Strike Length Exp. : m	Sulphides :	<1%CP, 2%MG, 2%PY,3-10%HS	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
548208	Elevation:	1740 m	Sample Width : m	Oxides :	JA, trMC	15.	<0.2	39.	666.	30.	<10
	Orientation:	/	True Width : m	Host :	Heterolithic/silica breccia - variable						

Comments : Mixed talus sample - two breccia types. Sample taken 100m along slope from 548207.

Sample No.	Location :	7168 300 N	Type : Float	Alteration :	wCA,wCB,mCL,sMS,mSI,w-mHE	Au	Ag	Co	Cu	La	U
		546 290 E	Strike Length Exp. : m	Sulphides :	trCP, 1%PY, 3-10%HS	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
548209	Elevation:	1735 m	Sample Width : m	Oxides :	None	10.	<0.2	12.	35.	30.	<10
	Orientation:	/	True Width : m	Host :	Variable breccia type						

Comments : Variable float on grassy talus slope. Sample taken 100m easterly from 548208.

Sample No.	Location :	7168 200 N	Type : Grab	Alteration :	mCA, sCL, mSI, wHE	Au	Ag	Co	Cu	La	U
		546 320 E	Strike Length Exp. : >50 m	Sulphides :	trPY, 2%HS	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
548210	Elevation:	1750 m	Sample Width : 3x2 m	Oxides :	JA	10.	<0.2	17.	10.	40.	<10
	Orientation:	/	True Width : m	Host :	Chlorite-rich breccia						

Comments :

Sample No.	Location :	7168 110 N	Type : Grab	Alteration :	vsCL	Au	Ag	Co	Cu	La	U
		546 340 E	Strike Length Exp. : 5.0 m	Sulphides :	1%CP, 15%MG, 1%PY, HS?	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
548211	Elevation:	1775 m	Sample Width : 3x2 m	Oxides :	JA, MC	30.	<0.2	18.	1253.	150.	<10
	Orientation:	/	True Width : m	Host :	Chlorite breccia						

Comments : Sample located downslope and across draw from claim posts No. 1 - Jazz 9, 10, and No. 2 - Jazz 7, 8. Best copper mineralization associated with magnetite.

Sample No.	Location :	7168 030 N	Type : Grab	Alteration :	vsCL, sSI, mHE	Au	Ag	Co	Cu	La	U
		546 380 E	Strike Length Exp. : 2.0 m	Sulphides :	5%MG	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
548212	Elevation:	1785 m	Sample Width : 2x1 m	Oxides :	None	20.	<0.2	29.	16.	40.	<10
	Orientation:	/	True Width : m	Host :	Chlorite breccia						

Comments : Sample taken 100m along slope to south of 548211. Large raft of altered sediments located immediately to north between breccia bodies (548211, 548212))

Sample No.	Location :	Type :	Alteration :		Au	Ag	Co	Cu	La	U
	7167 920 N 546 380 E	Grab Strike Length Exp. : 75 m	wCB Sulphides :	None	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
548213	Elevation: 1780 m	Sample Width : 2x3 m	Oxides :	JA	15.	<0.2	6.	21.	40.	<10
	Orientation: 064 / 80 NW	True Width : m	Host :	Finely laminated black/grey siltstone						

Comments : Located 128m along contour from 548212. Contact with breccia approximately 5.0m further along slope.

Sample No.	Location :	Type :	Alteration :		Au	Ag	Co	Cu	La	U
	7167 850 N 546 360 E	Grab Strike Length Exp. : >50 m	sCL, mSI, mHE Sulphides :	1%HS	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
548214	Elevation: 1782 m	Sample Width : 2x2 m	Oxides :	None	15.	<0.2	20.	17.	10.	10.
	Orientation: /	True Width : m	Host :	Altered dolomite						

Comments : Sample taken (100m SE along contour from 548213) from altered dolomite. Minor specular hematite disseminated and coating fractures. Chlorite forms bands and spots throughout.

Sample No.	Location :	Type :	Alteration :		Au	Ag	Co	Cu	La	U
	7167 790 N 546 450 E	Grab Strike Length Exp. : >50 m	mCA, sCL, sSI, mHE Sulphides :	2%MG, 3%HS	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
548215	Elevation: 1790 m	Sample Width : 2x2 m	Oxides :		20.	<0.2	20.	14.	30.	10.
	Orientation: /	True Width : m	Host :	Homolithic (dolomite) chlorite breccia						

Comments :

Sample No.	Location :	Type :	Alteration :		Au	Ag	Co	Cu	La	U
	7167 880 N 546 470 E	Grab Strike Length Exp. : >50 m	wCA, mCL, mSI, mHE Sulphides :	1%HS	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
548216	Elevation: 1835 m	Sample Width : 2x3 m	Oxides :	None	10.	<0.2	10.	4.	0.	20.
	Orientation: /	True Width : m	Host :	Crackled altered dolomite						

Comments : Sample located 100 metres upslope (northeasterly direction) from 548215.

Sample No.	Location :	Type :	Alteration :		Au	Ag	Co	Cu	La	U
	7167 900 N 546 550 E	Grab Strike Length Exp. : >50 m	wCA, sCL, mSI, sHE Sulphides :	5%HS	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
548217	Elevation: 1875 m	Sample Width : 5x3 m	Oxides :	None	<5	<0.2	11.	3.	0.	10.
	Orientation: /	True Width : m	Host :	Homolithic hematite breccia						

Comments : Sample on ridge line 100m upslope from 548216.

Sample No.	Location :	Type :	Alteration :		Au	Ag	Co	Cu	La	U
	7167 960 N 546 600 E	Grab Strike Length Exp. : >50 m	mCA, mCL, sSI, sHE Sulphides :	trPY, 5%HS	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
548218	Elevation: 1885 m	Sample Width : 5x3 m	Oxides :	None	15.	<0.2	19.	36.	0.	10.
	Orientation: /	True Width : m	Host :	Homolithic (dolomite) hematite breccia						

Comments :

Sample No.	Location :	7167 980 N	Type : Grab	Alteration :	mCA, wCL, wMS	Au	Ag	Co	Cu	La	U
		546 630 E	Strike Length Exp. : 10 m	Sulphides :	4%CP, 3%PY	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
548219	Elevation:	1890 m	Sample Width : 1.0 m	Oxides :	GE, JA, MC	95.	1.0	23.	7913.	10.	20.
	Orientation:	060 / 70 E	True Width : 1.0 m	Host :	Medium-grained diorite dyke?						

Comments : Mineralized zone is located approximately 15m upslope along ridge from 548218. Host rock appears to be an equigranular, medium-grained plagioclase-bearing intrusive.

Sample No.	Location :	7168 050 N	Type : Grab	Alteration :	sCA, wCL,sSI, wHE	Au	Ag	Co	Cu	La	U
		546 640 E	Strike Length Exp. : >50 m	Sulphides :	5%HS	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
548220	Elevation:	1902 m	Sample Width : 4x3 m	Oxides :	None	10.	<0.2	13.	21.	10.	<10
	Orientation:	/	True Width : m	Host :	Crackled dolomite breccia						

Comments : Dolomite fragments are silicified and hematized, and mineralized with finely disseminated specular hematite.

Sample No.	Location :	7168 100 N	Type : Grab	Alteration :	mCA, sCL, sMS, wHE	Au	Ag	Co	Cu	La	U
		546 660 E	Strike Length Exp. : 4.0 m	Sulphides :	1%CP, 30%MG,1%PY	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
548221	Elevation:	1945 m	Sample Width : 50 cm	Oxides :	MC	60.	2.0	73.	1860.	100.	<10
	Orientation:	060 / 70 NW	True Width : 50 cm	Host :	Chlorite-magnetite breccia						

Comments : Mineralization located at junction of mafic dyke, breccia and large block? of laminated, bleached grey siltstone. Zone is very limited.

Sample No.	Location :	7168 130 N	Type : Grab	Alteration :	wCL, sSI?	Au	Ag	Co	Cu	La	U
		546 690 E	Strike Length Exp. : >50 m	Sulphides :	None	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
548222	Elevation:	1950 m	Sample Width : 5x3 m	Oxides :	None	15.	<0.2	6.	37.	40.	<10
	Orientation:	/	True Width : m	Host :	Bleached laminated siltstone						

Comments : Sample location in middle of large block? of laminated, unmineralized siltstone.

Sample No.	Location :	7168 230 N	Type : Float	Alteration :	mCA, wCL, sSI, sHE	Au	Ag	Co	Cu	La	U
		546 710 E	Strike Length Exp. : m	Sulphides :	3-5%MG	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
548223	Elevation:	1950 m	Sample Width : m	Oxides :	None	10.	<0.2	12.	39.	10.	10.
	Orientation:	/	True Width : m	Host :	Homolithic (dolomite) hematite breccia						

Comments : Scree sample of talus (large and angular), very close to source.

Sample No.	Location :	7168 330 N	Type : Grab	Alteration :	wCA,w-mCL,w-mMS,vsSI,mHE	Au	Ag	Co	Cu	La	U
		546 730 E	Strike Length Exp. : >50 m	Sulphides :	5%HS	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
548224	Elevation:	1910 m	Sample Width : 3x2 m	Oxides :	None	10.	<0.2	15.	10.	20.	<10
	Orientation:	/	True Width : m	Host :	Homolithic (dolomite) hematite breccia						

Comments : Sample taken within 30m of ridgeline.

Sample No.							Au	Ag	Co	Cu	La	U
	Location :	7168 700 N	Type : Grab	Alteration :	CA		(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
		544 740 E	Strike Length Exp. : 5 m	Sulphides :	None							
548401	Elevation:	1800 m	Sample Width : 2x2 m	Oxides :	None		<5	<0.2	11.	6.	0.	70.
	Orientation:	/	True Width : m	Host :	Gillespie dolomite, brecciated							

Comments : Upslope from claim post No. 1 - Jazz 1 & 2 at 015o.

Sample No.							Au	Ag	Co	Cu	La	U
	Location :	7168 560 N	Type : Float	Alteration :	CB, SI, HE		(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
		545 275 E	Strike Length Exp. : m	Sulphides :	5%HS							
548402	Elevation:	1690 m	Sample Width : 2x2 m	Oxides :	None		10.	<0.2	6.	1.	50.	<10
	Orientation:	/	True Width : m	Host :	Homolithic breccia							

Comments : Talus in gully at contact with Gillespie dolomite. Dominantly a pink to grey black siliceous breccia with a pale brown matrix with pink siliceous fragments (1-5cm dia. on aver). Black hematite generally in matrix, within fragments.

Sample No.							Au	Ag	Co	Cu	La	U
	Location :	7168 520 N	Type : Float	Alteration :	SI, HE		(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
		545 370 E	Strike Length Exp. : >100 m	Sulphides :	10%HS							
548403	Elevation:	1700 m	Sample Width : 2x2 m	Oxides :	None		<5	<0.2	8.	1.	50.	<10
	Orientation:	/	True Width : m	Host :	Homolithic breccia							

Comments : Dominantly pink to grey black siliceous breccia with hematite in matrix. 207m east of claim post No. 1 - Jazz 3.

Sample No.							Au	Ag	Co	Cu	La	U
	Location :	7168 490 N	Type : Grab	Alteration :	trCB, SI		(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
		545 470 E	Strike Length Exp. : >100 m	Sulphides :	HS							
548404	Elevation:	1700 m	Sample Width : 2x2 m	Oxides :	None		<5	<0.2	13.	2.	40.	<10
	Orientation:	/	True Width : m	Host :	Homolithic breccia							

Comments : Dominantly a fine-grained siliceous maroon rock with fine-grained disseminated specular hematite. 300m east of claim post No. 1 - Jazz 3.

Sample No.							Au	Ag	Co	Cu	La	U
	Location :	7168 470 N	Type : Grab	Alteration :	MS, HE, CB		(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
		545 570 E	Strike Length Exp. : >100 m	Sulphides :	10%HS							
548405	Elevation:	1690 m	Sample Width : 2x2 m	Oxides :	None		<5	<0.2	6.	3.	50.	<10
	Orientation:	/	True Width : m	Host :	Homolithic breccia							

Comments : Maroon siliceous breccia - one boulder with abundant muscovite. No sulphides noted. 50m west of No. 1 Post - Jazz 5 & 6.

Sample No.							Au	Ag	Co	Cu	La	U
	Location :	7168 640 N	Type : Float-Talus	Alteration :	trCB, SI, HE		(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
		545 720 E	Strike Length Exp. : >100 m	Sulphides :	2-3%HS							
548406	Elevation:	1830 m	Sample Width : 2x2 m	Oxides :			<5	<0.2	5.	13.	60.	<10
	Orientation:	/	True Width : m	Host :	Homolithic breccia							

Comments : Upslope from claim post No. 1 - Jazz 5 & 6.

Sample No.	Location :		Type :		Alteration :		Au	Ag	Co	Cu	La	U
		7168 680 N		Float-Talus		BI, KF?, MS, SI, HE	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
		545 640 E	Strike Length Exp. :	>100 m	Sulphides :	5%HS						
548407	Elevation:	1830 m	Sample Width :	2x2 m	Oxides :	None	15.	<0.2	7.	6.	30.	<10
	Orientation:	/	True Width :	m	Host :	Homolithic breccia						

Comments : Maroon and pink breccia with sections of pale green fine-grained sericite - possibly a feldspar alteration.

Sample No.	Location :		Type :		Alteration :		Au	Ag	Co	Cu	La	U
		7168 710 N		Float-Talus		MS, SI, HE	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
		545 550 E	Strike Length Exp. :	>100 m	Sulphides :	5%HS						
548408	Elevation:	1840 m	Sample Width :	2x2 m	Oxides :	None	5.	<0.2	10.	4.	40.	<10
	Orientation:	/	True Width :	m	Host :	Homolithic breccia						

Comments : Typical pink and maroon breccia with 5% specular hematite.

Sample No.	Location :		Type :		Alteration :		Au	Ag	Co	Cu	La	U
		7168 700 N		Grab		BI, KF?, MS, SI, HE, CB	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
		545 440 E	Strike Length Exp. :	10 m	Sulphides :	5%HS						
548409	Elevation:	1835 m	Sample Width :	2x2 m	Oxides :	None	<5	<0.2	6.	2.	50.	<10
	Orientation:	/	True Width :	m	Host :	Homolithic breccia						

Comments : Minor peacock blue stains on some fractures. Abundant specular hematite.

Sample No.	Location :		Type :		Alteration :		Au	Ag	Co	Cu	La	U
		7168 740 N		Grab		BI, CB, KF?, SI, HE	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
		545 350 E	Strike Length Exp. :	10 m	Sulphides :	5%HS						
548410	Elevation:	1835 m	Sample Width :	4 m	Oxides :	None	20.	<0.2	10.	3.	20.	<10
	Orientation:	/	True Width :	m	Host :	Homolithic breccia						

Comments : 25m east of contact with mafic dyke? that separates Gilliespie dolomite and breccia.

Sample No.	Location :		Type :		Alteration :		Au	Ag	Co	Cu	La	U
		7168 800 N		Grab		BI, CA, sMS, SI, HE	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
		545 600 E	Strike Length Exp. :	10 m	Sulphides :	3%HS						
548411	Elevation:	1925 m	Sample Width :	2x2 m	Oxides :	None	10.	<0.2	17.	6.	60.	<10
	Orientation:	/	True Width :	m	Host :	Homolithic breccia						

Comments : Pink to red knobby weathering. Breccia contains dolomite and stained with hematite on fractures. Outcrop in contact with roof pendant (?) of Gillespie dolomite.

Sample No.	Location :		Type :		Alteration :		Au	Ag	Co	Cu	La	U
		1768 750 N		Grab		BI, CB, KF?, SI, HE	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
		545 680 E	Strike Length Exp. :	>50 m	Sulphides :	3%HS						
548412	Elevation:	1900 m	Sample Width :	4 m	Oxides :	None	15.	<0.2	6.	11.	60.	<10
	Orientation:	/	True Width :	4 m	Host :	Homolithic breccia						

Comments : Pink to maroon breccia. 100m east of 548411 on ridge.

Sample No.	Location :		Type :		Alteration :		Au	Ag	Co	Cu	La	U
		7168 700 N		Grab		CB, SI, HE	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
		545 790 E	Strike Length Exp. :	2 m	Sulphides :	3%HS						
548413	Elevation:	1890 m	Sample Width :	2x2 m	Oxides :	None	10.	<0.2	5.	1.	60.	<10
	Orientation:	/	True Width :	2 m	Host :	Homolithic breccia						

Comments : Pink knobby weathering hematite breccia. 200m west of 548411 on ridge.

Sample No.	Location :		Type :		Alteration :		Au	Ag	Co	Cu	La	U
		7169 260 N		Float-Talus		MS, SI, KF?, HE	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
		544 955 E	Strike Length Exp. :	100 m	Sulphides :	1/2%CP, 5%HS						
548414	Elevation:	1980 m	Sample Width :	2x2 m	Oxides :	MC	5.	<0.2	12.	15.	60.	<10
	Orientation:	/	True Width :	m	Host :	Homolithic breccia						

Comments : At contact with Gillespie dolomite near T. Bell's first sample (548104). Malachite and chalcopyrite common in area.

Sample No.	Location :		Type :		Alteration :		Au	Ag	Co	Cu	La	U
		7169 170 N		Grab		CB, MS, SI	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
		545 050 E	Strike Length Exp. :	>100 m	Sulphides :	trCP, 5%HS						
548415	Elevation:	2010 m	Sample Width :	2x2 m	Oxides :	None	50.	<0.2	10.	123.	70.	<10
	Orientation:	/	True Width :	m	Host :	Homolithic breccia						

Comments : Clast supported; typically knobby weathering, pervasive hematite, carbonate (non fizzy) in matrix. 100m east from contact on ridge.

Sample No.	Location :		Type :		Alteration :		Au	Ag	Co	Cu	La	U
		7169 050 N		Grab		CB, MS, SI	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
		545 160 E	Strike Length Exp. :	200 m	Sulphides :	5%HS						
548416	Elevation:	2035 m	Sample Width :	2x2 m	Oxides :	None	<5	<0.2	8.	4.	40.	10.
	Orientation:	/	True Width :	m	Host :	Homolithic breccia						

Comments : On ridge at contact with dolomite. One piece of massive hematite. East contact with Gillespie dolomite.

Sample No.	Location :		Type :		Alteration :		Au	Ag	Co	Cu	La	U
		7169 350 N		Float		CB, MS, SI, HE	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
		545 640 E	Strike Length Exp. :	m	Sulphides :	5-7%HS						
548417	Elevation:	1650 m	Sample Width :	2x2 m	Oxides :	None	<5	<0.2	6.	1.	90.	<10
	Orientation:	/	True Width :	m	Host :	Homolithic breccia						

Comments : Talus from ridge above; taken in cirque.

Sample No.	Location :		Type :		Alteration :		Au	Ag	Co	Cu	La	U
		7169 270 N		Float		CB, MS, SI, HE	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
		545 655 E	Strike Length Exp. :	m	Sulphides :	2%CP, 5%HS						
548418	Elevation:	1650 m	Sample Width :	2x2 m	Oxides :	AZ, MC	115.	3.6	14.	1.89%	80.	<10
	Orientation:	/	True Width :	m	Host :	Homolithic breccia						

Comments : Sample selected for malachite-azurite content. As usual, this is a mixture of several breccia types. 80m SE of 548417.

Sample No.	Location :	Type :	Alteration :		Au	Ag	Co	Cu	La	U
	7169 190 N	Float-Talus		CB, sMS, SI, CL, HE	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
	545 690 E	Strike Length Exp. : >100 m	Sulphides	trCP, 5%HS						
548419	Elevation: 1645 m	Sample Width : 2x2 m	Oxides	None	10.	<0.2	8.	65.	60.	<10
	Orientation: /	True Width : m	Host	Homolithic breccia						

Comments : Abundant pale green sericite. 100m east of 548418 in cirque.

Sample No.	Location :	Type :	Alteration :		Au	Ag	Co	Cu	La	U
	7169 120 N	Float-Talus		CB, MS, SI, HE	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
	545 760 E	Strike Length Exp. : >100 m	Sulphides	3%HS						
548420	Elevation: 1650 m	Sample Width : 2x2 m	Oxides	None	10.	<0.2	10.	43.	30.	10.
	Orientation: /	True Width : m	Host	Homolithic breccia						

Comments : Dominant alteration is specular hematite and silicification.

Sample No.	Location :	Type :	Alteration :		Au	Ag	Co	Cu	La	U
	7169 050 N	Float-Talus		CB, sMS, SI, HE	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
	545 850 E	Strike Length Exp. : m	Sulphides	trCP, 3%HS						
548421	Elevation: 1650 m	Sample Width : 2x2 m	Oxides	None	5.	<0.2	8.	3.	20.	<10
	Orientation: /	True Width : m	Host	Homolithic breccia						

Comments : Malachite-azurite-chalcopyrite in quartz vein by sample; although not included in sample. 100m east of 548420.

Sample No.	Location :	Type :	Alteration :		Au	Ag	Co	Cu	La	U
	7169 080 N	Float-Talus		CB, sMS, SI, HE	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
	545 940 E	Strike Length Exp. : m	Sulphides	10%HS						
548422	Elevation: 1660 m	Sample Width : 2x2 m	Oxides	None	<5	<0.2	10.	4.	60.	<10
	Orientation: /	True Width : m	Host	Homolithic breccia						

Comments : Sample selected for high muscovite-sericite (green) content and specular hematite. 100m from 548421.

Sample No.	Location :	Type :	Alteration :		Au	Ag	Co	Cu	La	U
	7169 150 N	Float-Talus		CB, sMS, SI, HE	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
	545 990 E	Strike Length Exp. : >100 m	Sulphides	5-7%HS						
548423	Elevation: 1660 m	Sample Width : 2x2 m	Oxides	None	75.	<0.2	9.	3.	20.	<10
	Orientation: /	True Width : m	Host	Homolithic breccia						

Comments :

Sample No.	Location :	Type :	Alteration :		Au	Ag	Co	Cu	La	U
	7169 250 N	Float-Talus		CB, MS, SI, HE	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
	546 020 E	Strike Length Exp. : m	Sulphides	3-5%HS						
548424	Elevation: 1660 m	Sample Width : 2x2 m	Oxides	None	<5	<0.2	11.	22.	30.	<10
	Orientation: /	True Width : m	Host	Homolithic breccia						

Comments : Edge of breccia talus on NE corner of cirque, 100m from 548423.

Sample No.	Location :	7169 120 N 545 230 E	Type : Float-Talus Strike Length Exp. : m	Alteration : CB, MS, SI, HE Sulphides : HS	Au (ppb)	Ag (ppm)	Co (ppm)	Cu (ppm)	La (ppm)	U (ppm)
548425	Elevation:	1920 m	Sample Width : 2x2 m	Oxides : None	25.	<0.2	10.	281.	90.	<10
	Orientation:	/	True Width : m	Host : Homolithic breccia						

Comments : Talus at lower contact with dolomite below sample 548416 in avalanche chute.

APPENDIX E

CERTIFICATES OF ANALYSIS

Chemex Labs Ltd.

Analytical Chemists *Geochemists* *Registered Assayers*

212 Brooksbank Ave.
North Vancouver, B.C.
Canada V7J 2C1
Phone: (604) 984-0221
Telex: 04-352597
Fax: (604) 984-0218

24-Element Geochemistry Package (24-ICP)

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

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

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

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

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Gold

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

Chemex Code: 100

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

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

Detection limit: 5 ppb

Upper Limit: 10,000 ppb

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

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 JAZZ
Comments: CC: MURRAY JONES CC: DAVID CAULFIELD

Page Number : 1
Total Pages : 6
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 %
AM92-001	50	100.0	0.61	210	<0.5	740	0.29	70.0	13	5	>10000	>25.00	0.15	0.93
548061	<5	<0.2	6.20	730	<0.5	<2	5.45	<0.5	18	95	312	4.54	5.08	3.62
548062	5	1.0	5.60	880	<0.5	6	8.29	<0.5	47	68	5590	3.72	6.35	4.08
548063	10	<0.2	6.97	1420	<0.5	<2	2.36	0.5	14	107	273	7.44	7.01	1.56
548064	15	<0.2	7.42	1160	<0.5	4	1.72	0.5	11	102	87	4.10	8.11	0.98
548065	15	<0.2	6.76	3370	<0.5	<2	2.54	0.5	22	92	24	5.39	7.53	1.35
548066	20	<0.2	7.30	3770	<0.5	8	2.47	0.5	44	84	851	5.15	8.88	1.32
548067	35	<0.2	7.53	1450	<0.5	<2	1.72	<0.5	16	96	230	5.37	7.66	2.23
548068	30	<0.2	7.06	1350	<0.5	4	3.80	0.5	23	125	151	5.38	7.20	3.10
548069	40	<0.2	6.99	1050	<0.5	<2	2.05	<0.5	19	94	530	4.80	6.81	2.39
548070	50	<0.2	7.17	1190	<0.5	<2	3.79	<0.5	24	92	805	4.88	8.24	2.16
548071	20	<0.2	6.88	1910	<0.5	<2	3.17	0.5	27	109	39	6.30	6.88	3.26
548072	5	<0.2	8.39	2410	<0.5	<2	2.35	<0.5	12	94	8	4.16	4.07	1.71
548073	<5	<0.2	6.16	1210	<0.5	2	5.80	0.5	36	120	45	4.14	2.10	0.92
548074	45	<0.2	6.25	790	<0.5	<20	2.58	0.5	100	95	>10000	6.64	3.98	2.10
548101	40	1.0	4.75	690	<0.5	<20	3.57	<0.5	48	102	>10000	10.15	4.16	1.97
548102	455	6.0	3.99	200	<0.5	<20	0.95	<0.5	110	99	>10000	>25.00	1.98	1.54
548103	50	0.8	6.22	1180	<0.5	<2	3.12	<0.5	36	95	5025	9.98	6.38	1.42
548104	165	0.6	6.42	1580	<0.5	<2	4.88	<0.5	20	82	4839	7.99	5.43	2.49
548105	5	<0.2	0.60	40	<0.5	<2	1.06	1.0	8	11	145	>25.00	0.19	3.37
548106	125	2.4	0.41	20	<0.5	<20	17.15	0.5	41	24	>10000	7.01	0.11	8.33
548107	135	<0.2	5.71	350	<0.5	<2	1.39	0.5	57	65	4192	19.93	2.76	2.37
548108	40	0.6	6.18	490	<0.5	<2	1.32	0.5	80	73	2603	15.52	2.10	3.27
548109	10	<0.2	6.83	480	<0.5	<2	5.54	<0.5	24	66	24	8.33	4.38	4.34
548110	25	<0.2	5.53	1180	<0.5	<2	4.80	<0.5	6	89	1561	7.21	6.13	1.47
548111	15	<0.2	0.96	50	<0.5	<2	0.37	<0.5	36	275	267	1.96	0.38	0.24
548112	55	<0.2	6.55	1360	<0.5	2	3.99	<0.5	38	89	1294	5.69	5.16	3.32
548113	305	1.8	4.20	590	<0.5	<2	11.43	<0.5	27	29	3463	4.55	3.92	6.31
548114	480	2.6	0.74	480	<0.5	16	20.69	0.5	16	27	4646	9.63	0.32	1.36
548115	<5	<0.2	7.02	1290	<0.5	<2	0.84	<0.5	29	83	891	10.32	4.33	3.10
548116	120	0.4	6.40	1770	<0.5	<2	6.56	<0.5	273	67	6203	6.18	2.04	4.00
548117	40	0.6	6.53	250	<0.5	4	13.29	0.5	374	19	7569	4.98	4.65	2.74
548201	55	<0.2	7.26	910	<0.5	6	1.75	<0.5	581	76	44	5.79	7.57	0.86
548202	65	<0.2	7.42	1060	<0.5	<2	2.94	<0.5	753	77	26	5.29	6.31	1.18
548203	10	<0.2	6.75	1240	<0.5	<2	3.29	<0.5	26	88	10	6.05	7.68	1.05

CERTIFICATION: B. Caufield

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 JAZZ
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	Tl %	V ppm	W ppm	Zn ppm	La ppm	U ppm
AM92-001	>10000	13	0.01	28	<10	20	38	<0.01	<1	<50	2478	10	<10
548061	2015	16	0.25	36	1080	<2	27	0.14	106	20	24	50	<10
548062	3365	12	0.26	15	940	4	29	0.07	52	40	30	<10	30
548063	1540	17	0.18	41	1220	4	39	0.10	66	20	28	130	<10
548064	1115	2	0.22	18	1020	4	26	0.11	56	10	12	70	<10
548065	1285	<1	0.19	22	1090	8	254	0.13	60	20	12	60	<10
548066	1365	2	0.22	9	1130	4	129	0.16	53	20	14	230	<10
548067	730	2	0.26	45	1270	6	30	0.12	78	10	26	80	<10
548068	1490	3	0.26	35	960	4	34	0.09	99	20	28	60	<10
548069	860	7	0.23	37	950	<2	26	0.10	47	10	28	170	<10
548070	1490	1	0.24	29	750	4	32	0.14	189	20	16	20	10
548071	1155	<1	0.42	32	1140	<2	48	0.17	65	20	32	50	<10
548072	605	<1	3.28	43	910	<2	45	0.16	39	10	28	250	<10
548073	1000	<1	3.04	23	760	<2	275	0.17	55	10	14	40	<10
548074	735	4	1.08	42	1400	<2	458	0.11	76	50	72	40	<10
548101	2695	25	0.12	31	1000	<2	18	0.10	76	200	112	80	<10
548102	950	26	0.11	82	1200	<2	13	0.07	310	350	164	20	30
548103	1795	33	0.18	26	1490	<2	20	0.08	93	70	42	70	<10
548104	2715	17	0.24	26	910	<2	36	0.11	145	70	32	70	<10
548105	>10000	<1	0.02	12	70	<2	5	<0.01	6	100	84	10	20
548106	4575	<1	0.02	55	<200	<2	34	<0.01	40	100	52	<10	90
548107	2110	6	0.16	77	510	<2	8	0.48	385	100	48	80	<10
548108	1545	<1	0.17	69	410	<2	8	0.70	358	80	52	10	10
548109	1885	<1	0.22	74	860	4	27	0.17	82	40	32	<10	30
548110	3850	13	0.16	9	1390	<2	30	0.08	59	40	24	<10	20
548111	490	4	0.03	23	80	4	4	0.02	7	<10	10	10	<10
548112	1465	12	0.84	37	1970	<2	34	0.09	73	30	32	80	<10
548113	4380	113	0.18	26	650	<2	44	0.03	60	40	26	<10	30
548114	2535	147	0.07	30	710	<2	330	0.02	46	100	32	<10	100
548115	430	<1	0.56	54	940	<2	25	0.18	111	30	50	40	<10
548116	1170	<1	1.28	73	420	<2	61	0.83	315	70	100	<10	30
548117	1640	<1	0.21	20	110	<2	65	0.10	26	70	92	<10	70
548201	1735	2	0.23	64	880	<2	15	0.17	51	30	14	80	<10
548202	1800	1	0.23	87	750	<2	13	0.15	47	30	16	40	<10
548203	2795	<1	0.16	18	680	<2	12	0.14	43	30	16	30	<10

CERTIFICATION: B. Caplette

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

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

To: PA[illegible] DEV[illegible]MENTS LIMITED

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

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

Page Number : 2
Total Pages : 6
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 %
548204	30	<0.2	7.17	1130	<0.5	<2	2.48	0.5	80	89	13	7.14	7.97	1.18
548205	35	<0.2	7.05	980	<0.5	<2	2.52	<0.5	118	42	78	5.73	9.99	0.46
548206	35	0.6	4.92	830	<0.5	6	7.55	<0.5	432	78	530	4.23	5.63	2.97
548207	20	<0.2	6.93	970	<0.5	<2	1.93	0.5	14	96	8	6.86	6.43	1.43
548208	15	<0.2	6.80	1330	<0.5	<2	2.28	<0.5	39	83	666	8.25	6.93	1.23
548209	10	<0.2	5.82	1030	<0.5	<2	2.29	<0.5	12	98	35	5.38	5.98	1.23
548210	10	<0.2	6.42	810	<0.5	12	3.44	1.0	17	78	10	6.19	4.99	2.24
548211	30	<0.2	6.45	260	<0.5	4	0.73	1.0	18	62	1253	15.17	2.08	3.13
548212	20	<0.2	7.06	1010	<0.5	4	2.66	0.5	29	85	16	7.73	6.44	2.15
548213	15	<0.2	8.11	500	1.0	<2	0.13	<0.5	6	96	21	2.58	3.47	0.57
548214	15	<0.2	6.06	1170	<0.5	4	4.79	<0.5	20	77	17	3.41	6.13	1.17
548215	20	<0.2	7.24	1300	<0.5	8	4.24	0.5	20	90	14	5.98	6.62	1.51
548216	10	<0.2	6.31	940	<0.5	2	6.67	<0.5	10	66	4	1.73	2.53	1.19
548217	<5	<0.2	6.07	740	<0.5	4	6.88	<0.5	11	110	3	2.57	3.15	1.03
548218	15	<0.2	6.03	840	<0.5	12	7.46	0.5	19	86	36	3.41	3.42	1.08
548219	95	1.0	7.85	560	5.5	6	3.17	1.0	23	103	7913	3.38	3.30	2.08
548220	10	<0.2	6.69	650	<0.5	<2	5.39	<0.5	13	88	21	3.65	3.54	1.78
548221	60	2.0	6.52	1090	<0.5	8	2.86	0.5	73	71	1860	10.12	3.93	3.89
548222	15	<0.2	6.44	420	1.0	<2	0.16	<0.5	6	97	37	0.92	2.38	0.47
548223	10	<0.2	6.70	4950	<0.5	<2	4.16	<0.5	12	98	39	4.18	4.23	0.83
548224	10	<0.2	6.11	570	<0.5	2	3.88	<0.5	15	93	10	3.80	2.27	2.47
548401	<5	<0.2	1.51	150	<0.5	<2	15.02	0.5	11	16	6	2.39	1.18	9.41
548402	10	<0.2	7.56	1470	<0.5	2	2.32	<0.5	6	63	1	4.75	8.96	0.84
548403	<5	<0.2	7.29	1380	<0.5	4	1.52	<0.5	8	50	1	6.69	7.84	0.69
548404	<5	<0.2	6.85	1300	<0.5	<2	3.17	0.5	13	52	2	5.33	8.73	1.17
548405	<5	<0.2	7.22	1130	<0.5	<2	1.16	<0.5	6	57	3	6.59	7.58	0.70
548406	<5	<0.2	7.67	1220	<0.5	<2	1.55	<0.5	5	59	13	4.72	8.16	0.73
548407	15	<0.2	7.37	1170	<0.5	<2	2.11	<0.5	7	63	6	5.30	7.97	1.25
548408	5	<0.2	7.64	1320	<0.5	2	3.69	0.5	10	57	4	4.64	9.12	1.59
548409	<5	<0.2	8.75	1310	0.5	<2	2.00	<0.5	6	58	2	4.16	9.17	1.01
548410	20	<0.2	6.60	1360	<0.5	2	5.23	<0.5	10	58	3	5.61	8.01	1.97
548411	10	<0.2	7.46	1060	<0.5	4	2.76	<0.5	17	63	6	4.18	7.97	1.37
548412	15	<0.2	7.44	1440	<0.5	2	2.23	0.5	6	62	11	4.78	8.64	0.94
548413	10	<0.2	7.35	870	<0.5	<2	2.21	<0.5	5	56	1	3.77	8.79	1.05
548414	5	<0.2	4.46	1090	<0.5	6	2.91	0.5	12	79	15	10.67	4.16	1.45

CERTIFICATION: B. Caufield

Chemex Labs Ltd.

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

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

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

Page Total Pages : 6
Certificate Date: 29-SEP-92
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	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sr ppm	Tl %	V ppm	W ppm	Zn ppm	La ppm	U ppm
548204	1505	<1	0.19	40	990	<2	15	0.18	61	30	18	70	<10
548205	2070	<1	0.19	6	2820	6	17	0.16	62	30	12	740	<10
548206	4320	16	0.16	203	870	8	25	0.08	42	30	24	<10	10
548207	1170	<1	0.18	28	1030	<2	16	0.19	83	30	18	50	<10
548208	2350	1	0.20	26	970	<2	15	0.15	77	40	26	30	<10
548209	2410	<1	0.16	22	980	<2	16	0.09	42	20	20	30	<10
548210	2735	<1	0.19	16	700	<2	15	0.11	49	20	26	40	<10
548211	870	8	0.17	64	1100	<2	6	0.51	316	70	48	150	<10
548212	1860	3	0.23	41	920	<2	16	0.16	51	30	26	40	<10
548213	335	1	0.28	15	230	<2	13	0.26	49	<10	16	40	<10
548214	1860	4	0.19	20	850	<2	24	0.07	31	10	16	10	10
548215	925	4	0.29	36	1010	<2	32	0.18	71	20	26	30	10
548216	1495	<1	3.07	17	770	<2	35	0.11	43	<10	8	<10	20
548217	1450	2	2.59	20	810	<2	39	0.12	41	<10	16	<10	10
548218	1155	1	1.98	24	950	<2	40	0.14	46	10	22	<10	10
548219	870	<1	1.75	20	920	<2	25	0.12	54	40	56	10	20
548220	1180	3	2.29	49	930	<2	33	0.12	53	10	24	10	<10
548221	1210	33	0.29	63	2220	<2	27	0.19	86	60	80	100	<10
548222	85	2	1.89	9	300	<2	18	0.13	26	<10	10	40	<10
548223	780	4	2.44	15	850	<2	301	0.17	43	10	22	10	10
548224	2885	3	2.71	25	900	<2	25	0.10	43	10	18	20	<10
548401	3445	<1	0.03	7	450	<2	37	0.03	20	10	30	<10	70
548402	1880	2	0.23	15	910	<2	14	0.12	44	10	20	50	<10
548403	3015	1	0.20	15	720	<2	69	0.11	38	20	26	50	<10
548404	2320	1	0.20	12	660	<2	15	0.12	40	20	18	40	<10
548405	2380	1	0.20	13	720	<2	115	0.12	32	20	18	50	<10
548406	1305	<1	0.20	33	860	<2	18	0.11	42	10	16	60	<10
548407	1635	<1	0.20	28	730	<2	16	0.16	46	20	14	30	<10
548408	2010	<1	0.21	18	800	<2	19	0.12	44	10	14	40	<10
548409	1810	2	0.23	19	770	<2	12	0.14	42	10	16	50	<10
548410	3335	<1	0.21	16	1100	<2	22	0.14	58	20	16	20	<10
548411	1415	2	0.20	23	900	<2	16	0.14	49	10	8	60	<10
548412	2280	<1	0.20	27	970	<2	14	0.14	45	10	14	60	<10
548413	1010	<1	0.20	13	850	<2	11	0.11	40	10	10	60	<10
548414	2305	6	0.11	19	830	<2	21	0.12	46	40	24	60	<10

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
V6B 1N4

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

Page Number : 3
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	Au ppb	Ag ppm	Al %	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %
548415	50	<0.2	6.89	830	<0.5	2	3.24	<0.5	10	54	123	5.43	6.72	1.33
548416	<5	<0.2	4.59	510	<0.5	8	3.01	1.0	8	67	4	13.36	4.04	1.60
548417	<5	<0.2	8.17	1600	<0.5	<2	1.02	<0.5	6	26	1	7.33	9.09	1.02
548418	115	3.6	6.73	390	<0.5	20	1.44	3.0	14	47	>10000	8.71	7.03	1.13
548419	10	<0.2	6.44	1150	<0.5	2	3.53	<0.5	8	67	65	4.28	7.09	1.96
548420	10	<0.2	6.01	890	<0.5	8	2.37	1.0	10	47	43	10.93	6.86	2.34
548421	5	<0.2	6.35	1060	<0.5	2	3.21	<0.5	8	44	3	4.85	7.61	1.65
548422	<5	<0.2	8.33	580	2.0	2	2.82	0.5	10	57	4	5.07	4.76	2.15
548423	75	<0.2	7.00	980	<0.5	<2	3.46	<0.5	9	60	3	4.80	7.09	2.18
548424	<5	<0.2	7.22	1660	<0.5	2	2.49	<0.5	11	69	22	6.95	6.74	1.58
548425	25	<0.2	7.62	610	0.5	<2	2.77	<0.5	10	77	281	5.40	5.59	2.19

CERTIFICATION: B. Caufield

Chemex Labs Ltd.

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	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sr ppm	Ti %	V ppm	W ppm	Zn ppm	La ppm	U ppm
548415	2015	4	0.25	18	1160	<2	24	0.18	51	20	16	70	<10
548416	1800	3	0.11	18	930	<2	16	0.12	60	60	24	40	10
548417	3090	2	0.21	13	810	<2	16	0.10	38	30	24	90	<10
548418	3090	7	0.36	22	800	12	90	0.10	71	150	298	80	<10
548419	1605	<1	0.17	21	1030	<2	23	0.12	48	10	12	60	<10
548420	5135	1	0.18	14	620	<2	14	0.07	37	50	50	30	10
548421	2555	1	0.17	11	720	<2	20	0.10	42	20	18	20	<10
548422	1210	<1	0.24	40	770	<2	13	0.14	51	20	18	60	<10
548423	1615	<1	0.21	17	930	<2	18	0.16	47	20	14	20	<10
548424	1785	1	1.00	17	730	<2	24	0.16	45	20	16	30	<10
548425	1905	13	0.20	35	900	<2	14	0.10	47	20	22	90	<10

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
V6B 1N4

Project : FAIRCHILD
Comments: ATTN: MIKE STAMMERS

Page Number :1-A
Total Pages :1
Certificate Date: 11-NOV-92
Invoice No. :I9224078
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Account :BM

CORRECTED COPY

CERTIFICATE OF ANALYSIS A9224078

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)
JAZZ 19926	205	274	35	< 0.2	8.64	2220	< 0.5	< 2	0.45	< 0.5	3	68	25	4.36	9.49	0.15
JAZZ 19927	205	274	130	9.6	6.49	120	< 0.5	< 2	1.05	< 0.5	754	73	>10000	7.52	6.74	0.62
JAZZ 19928	205	274	75	0.6	7.13	1440	< 0.5	6	1.67	< 0.5	39	82	2700	7.35	6.59	2.38
JAZZ 19941	205	274	175	5.8	3.10	900	< 0.5	< 2	0.23	< 0.5	45	68	>10000	19.90	1.35	2.10

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

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CERTIFICATE OF ANALYSIS A9224078

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
JAZZ 19926	205 274	655	< 1	0.31	4	840	< 2	14	0.13	45	< 10	14	60	< 10
JAZZ 19927	205 274	1425	112	0.25	231	450	< 2	28	0.13	75	80	162	30	20
JAZZ 19928	205 274	825	25	0.34	37	1180	< 2	31	0.14	71	< 10	38	30	< 10
JAZZ 19941	205 274	310	21	0.23	41	1170	< 2	526	0.07	83	< 10	108	170	< 10

CERTIFICATION: Thai D Ma

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
Total Pages :1
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Invoice No. :19224670
P.O. Number :
Account :BM

CERTIFICATE OF ANALYSIS A9224670

SAMPLE	PREP CODE	Cu %
JAZZ 19927	244 --	5.46
JAZZ 19941	244 --	2.15

CERTIFICATION: _____

Chemex Labs Ltd.

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

): PAMICON DEVELOPMENTS LIMITED

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

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

Certificate Date: 03-OCT-92
Invoice No. : 19222307
P.O. Number :
Account : BM

CERTIFICATE OF ANALYSIS A9222307

SAMPLE	PREP CODE	Cu %
AM92-001	244 --	6.64

Chemex Labs Ltd.

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

: PAMICON DEVELOPMENTS LIMITED

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

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

Certificate Date: 03-OCT-92
Invoice No. : I9222307
P.O. Number :
Account : BM

CERTIFICATE OF ANALYSIS A9222307

SAMPLE	PREP CODE	Cu %
548074	244 --	1.27
548101	244 --	2.86

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.
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Certificate Date: 03-OCT-92
Invoice No. : I9222307
P.O. Number :
Account : BM

CERTIFICATE OF ANALYSIS A9222307

SAMPLE	PREP CODE	Cu %
548102	244 --	3.66
548106	244 --	1.10

CERTIFICATION: W. Stan Armstrong

APPENDIX F

GEOLOGIST'S CERTIFICATE

GEOLOGIST'S CERTIFICATE

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

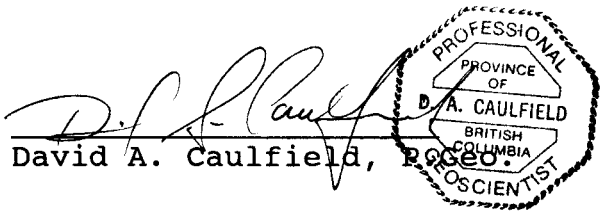
1. THAT I am a Consulting Geologist with offices at Suite 207, 675 West Hastings Street, Vancouver, British Columbia.

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

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

4. THAT this report is based on fieldwork carried out under my direction in August 1992, government publications and assessment reports filed with the Yukon. I have examined the property in the field.

DATED at Vancouver, British Columbia, this 14th day of December, 1992.



David A. Caulfield, P.Geo.