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COLLINS RESOURCES LTD.  
 SUMMARY OF 1990 EXPLORATION WORK  
 ON THE  
 NEW PROJECT

Located in the Iskut River Area  
 Liard Mining Division  
 NTS 104B/15  
 56°46' North Latitude, 130°57' West Longitude

- Prepared by -  
 S.L. TODORUK, Geologist  
 C.K. IKONA, P.Eng.

GEOLOGICAL BRANCH  
 ASSESSMENT REPORT

21,340

April, 1991

## SUMMARY OF 1990 EXPLORATION WORK on the NEW PROJECT

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SUMMARY OF 1990 EXPLORATION WORK on the NEW PROJECT

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**SUMMARY**

During August and September, 1990 a project consisting primarily of diamond drilling was carried out on Collins Resources Ltd.'s New Project in the Iskut River area of northwestern British Columbia. The program was designed to test gold bearing quartz structures previously identified in 1989 along a structure extending over 800 metres in length.

A total of ten drill holes were completed totalling 447.5 metres. Targets drilled are located on the New 1 and 6 mineral claims.

The 1990 drill program was successful in intersecting several narrow quartz veins similar to those exposed on surface and indicates that this system not only continues along a considerable strike length on surface but also carries on to depth.

## CONCLUSIONS

The New 1, 5 and 6 mineral claims are strategically located in the Iskut River gold camp of northwestern British Columbia in relation to several important new ore deposits found in this district in the last few years. The world class Eskay Creek deposit is located 35 km to the southeast, the Snip and Johnny Mountain deposits 15 km to the south, the Black Dog deposit 20 km to the southwest and Gulf International Minerals' Northwest Zone 5 km to the north.

The claims occur along the eastern margin of what is now termed the McLymont Graben which is a 3 to 4 kilometre wide package of Paleozoic to Mesozoic sedimentary and volcanic rocks intruded by younger intrusive rocks.

On the New claims, gold bearing quartz veins have been traced on surface and in drilling to shallow depths to date. Although assays from drilling are sporadic, values up to 0.602 ounces per ton gold across 0.50 metres have been intersected indicating the systems possible potential.

Elsewhere on the property, copper base metal mineralization has also been found to the southeast of the quartz vein system drilled above. Although to date only geochemically anomalous values in gold have been received, this area warrants continued evaluation.

**RECOMMENDATIONS**

For the 1991 field season, a continued program consisting of additional prospecting, trenching, geological mapping and possible geophysical survey orientation work (VLF-EM, magnetometer and induced polarization) is recommended for the on-going evaluation of the quartz vein system drilled and trenched in 1989 and 190. As well, further work should be undertaken to better understand copper-gold mineralization found to the southeast of the quartz system. This phase of work is estimated to cost approximately \$125,000.

Contingent upon the success of this phase would be an expanded geophysical survey program followed by trenching and possible diamond drilling. This phase is estimated to cost \$250,000.

## 1.0 INTRODUCTION

During August and September, 1990 a diamond drill program was completed on Collins Resources Ltd. and Adrian Resources Ltd.'s New 1, 5 & 6 mineral claims situated in the Iskut River area of northwestern British Columbia. Ten holes were drilled totalling 447.5 metres.

The target of this program was several quartz veins of varying widths which contain highly anomalous gold values. Several occurrences of quartz and pyrite as well as chalcopyrite mineralization occur on the property for a distance of approximately 800 metres and continue to the north on claims held by International Prism Resources Ltd./Indigo Gold Mines Ltd.

The drill program was successful in intersecting auriferous veining although the individual veins appear to be of erratic or irregular nature along strike and downdip.

This report is intended to supplement and finalize the December, 1990 report by A. Montgomery (Summary of 1990 Exploration Work on the New Project).

Previous work on the property has included extensive sampling of the subject quartz veins. This work was carried out in 1988 by Orequest Consultants of Vancouver, British Columbia.

## 2.0 LIST OF CLAIMS

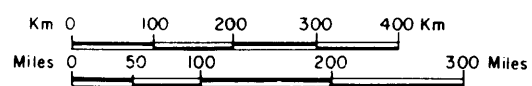
Records of the British Columbia Ministry of Energy, Mines and Petroleum Resources indicate that the following claims are owned by the Northwest Gold Syndicate (Figure 2). Separate documents indicate the claims are under option to the Adrian Resources Ltd.



**COLLINS RESOURCES LTD.**  
**NEW 1,5 & 6 CLAIMS**  
**PROPERTY LOCATION MAP**  
 LIARD MINING DIVISION, B.C.

**PAMICON DEVELOPMENTS LTD.**

DRAWN. J.W.	N.T.S. 104B/15	DATE. APRIL, 1991	FIGURE. <b>1</b>
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COLLINS RESOURCES LTD.

NEW 1, 5 & 6 CLAIMS  
CLAIM MAP & ROCK  
SAMPLE LOCATION MAP

LIARD MINING DIVISION, B.C.

PAMICON DEVELOPMENTS LTD.

DRAWN.

N.T.S.

DATE.

FIG.

J.W.

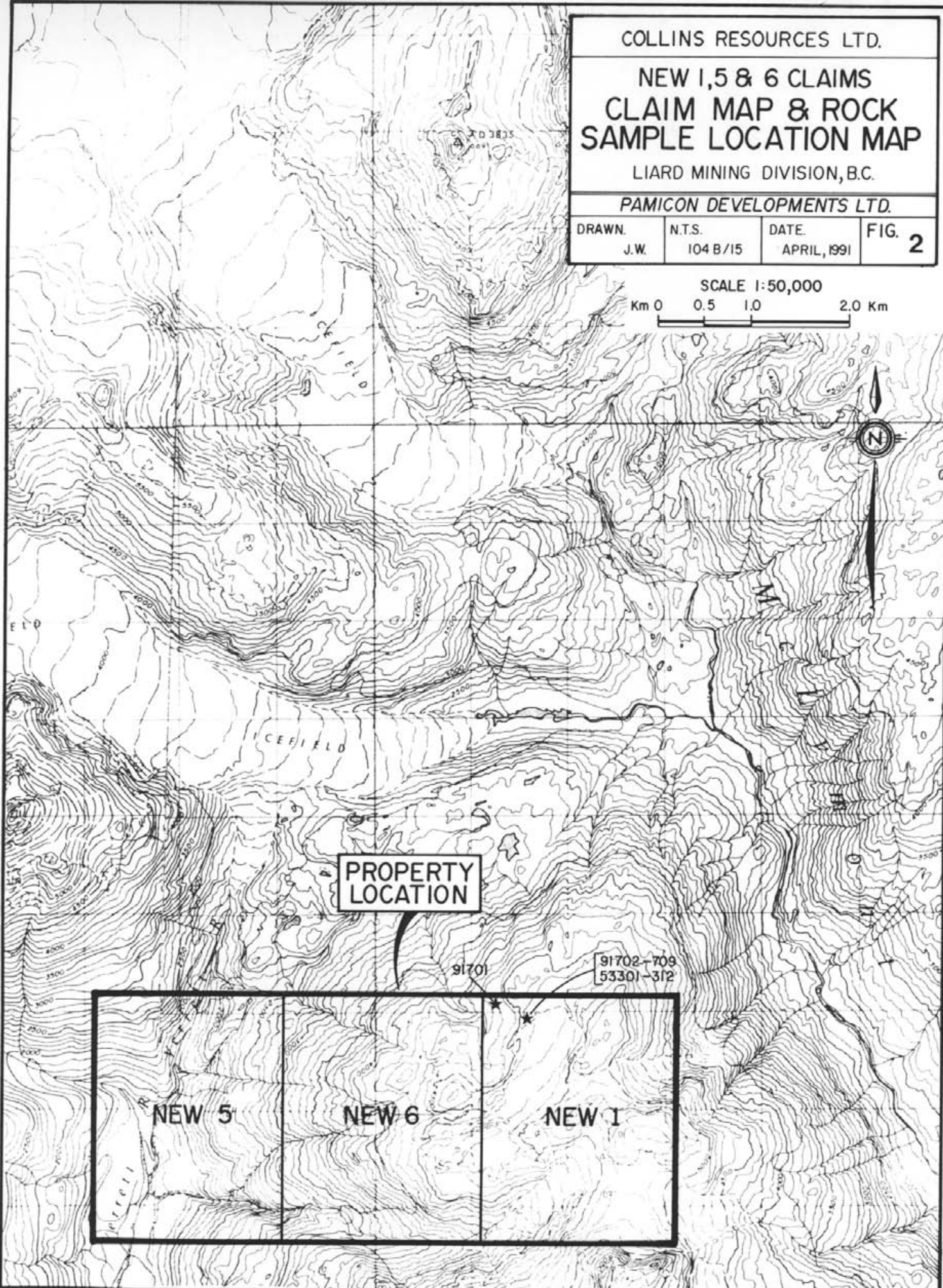
104 B/15

APRIL, 1991

2

SCALE 1:50,000

Km 0 0.5 1.0 2.0 Km



PROPERTY  
LOCATION

NEW 5      NEW 6      NEW 1

91702-709  
53301-312

91701

<u>Claim Name</u>	<u>Record Number</u>	<u>No. of Units</u>	<u>Record Date</u>	<u>Expiry Date</u>
New 1	3913	20	February 19, 1987	February 19, 1992
New 5	3917	20	February 19, 1987	February 19, 1993
New 6	3918	20	February 19, 1987	February 19, 1993

### 3.0 LOCATION, ACCESS AND PHYSIOGRAPHY

The New 1, 5 & 6 claim group is located approximately 80 kilometres east of Wrangell, Alaska, and 110 kilometres northwest of Stewart, British Columbia, centred at north latitude 56°46', west longitude 130°57' under the jurisdiction of the Liard Mining Division (Figure 1). Bronson airstrip (servicing Cominco/Prime's Snip deposit and Skyline Explorations Stonehouse gold deposit) is situated 15 kilometres to the southwest.

Access to the property is via helicopter from the Bronson Creek gravel airstrip, Bob Quinn Lake or the Forrest Kerr airstrip located 20 kilometres to the northwest at the headwaters of the Forrest Kerr River. Daily scheduled flights to the Bronson strip from Smithers, Terrace and Wrangell, Alaska have been available during the field season using a variety of fixed wing aircraft.

The province of British Columbia has recently completed a study on possible road access to the Iskut, Eskay Creek and Sulphurets areas. Surveying for this road from the Stewart-Cassiar Highway from Bob Quinn Lake down the Iskut to Bronson Creek commenced in late summer 1990. A possible branch road at Km 40 would allow access to Eskay Creek and the Unuk River Area including Sulphurets.

Geographically, the area is typical of mountainous and glaciated terrain with moderate to steep slopes ranging in elevation from approximately 550 metres in valley bottoms to in excess of 1400 metres. The upper reaches of the property support alpine vegetation with good outcrop exposure and below treeline, approximately 1200 metres, hemlock and spruce predominate the forest cover

with an undergrowth of devil's club, slide alder, shrubbery and moss becoming very thick near drainages. McLymont Creek, feeding into the Iskut River, flows southeast along the east of the property.

#### 4.0 AREA HISTORY

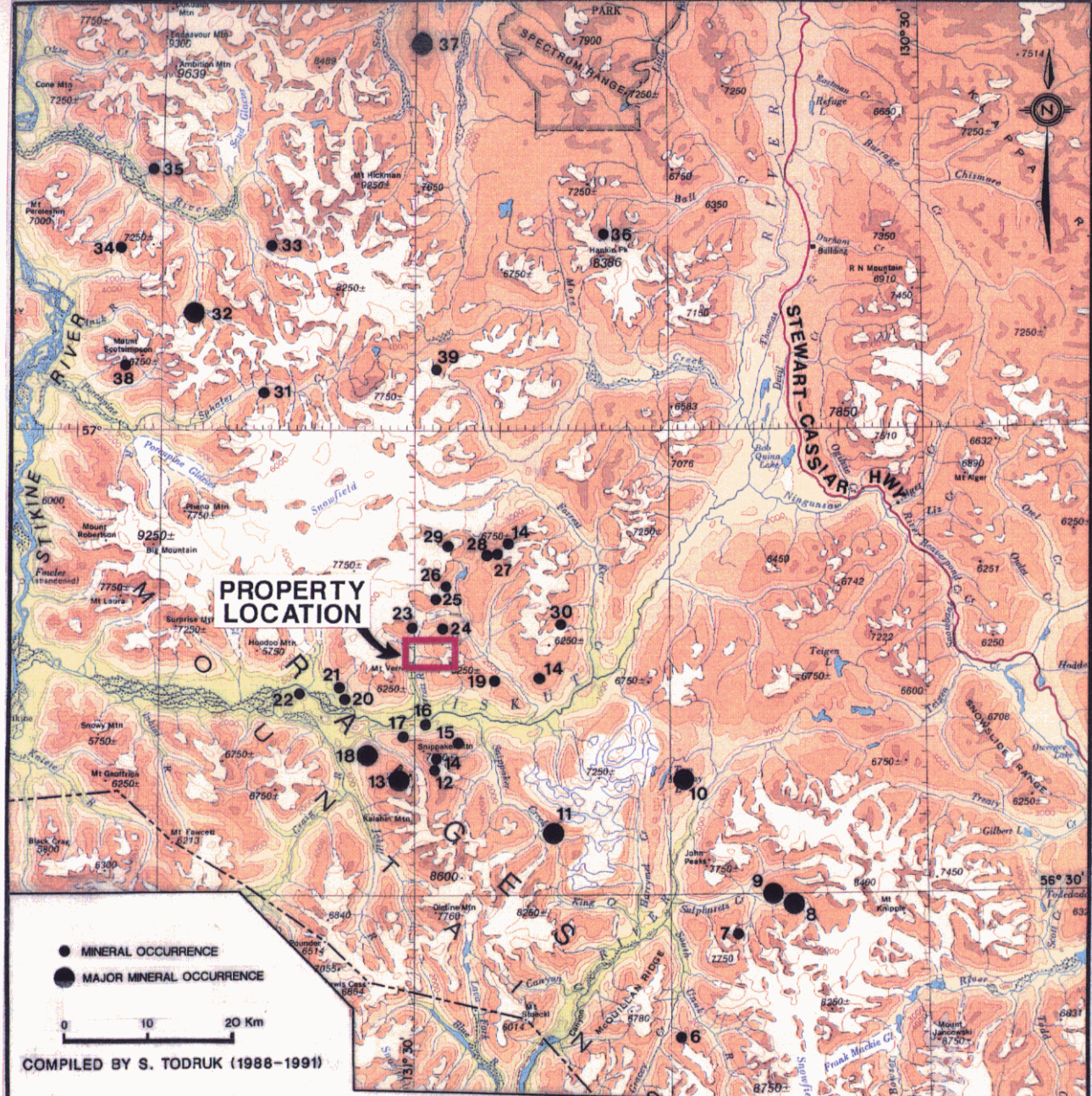
Northwestern B.C. from the town of Stewart in the south to near Telegraph Creek in the north, a distance of 225 kilometres hosts a northwest trending semi-arcuate band of Hazelton Group equivalent volcanic and sedimentary rocks (Unuk River Formation, Betty Creek Formation, Salmon River Formation) with their metamorphic equivalents which contains most of the known mineral occurrences in this region (Figure 3). This group is bounded by the Coast Range intrusive complex to the west and by the much younger sediments of the Bowser Basin to the east.

This area of approximately 10,000 square kilometres has historically been referred to as the Stikine Arch. Mining activity within it goes back to the turn of the century. Due to the large size of the region it has been referred to in more specific areas which range from the Stewart area to Sulphurets, Iskut and Galore Creek areas. Recent discoveries appear to be filling in areas between these known mineralized camps. It is probable that the entire area can be considered as one large mineralized province with attendant subareas.

The history of the area can be divided into two time periods: circa 1900 to the mid-1970s and the more recent activities of the late 1970s and 1980s.

##### 1900 - 1975

The original discovery of mineralization in the area can be attributed to miners either en route to or returning from the Klondike gold fields at the turn of the century. Rivers flowing through the Alaska Panhandle served as access corridors and mineralization was noted along the Iskut and Unuk Rivers



● MINERAL OCCURRENCE  
 ● MAJOR MINERAL OCCURRENCE

0 10 20 Km

COMPILED BY S. TODRUK (1988-1991)

PROPERTY OWNER	MINERAL RESERVES AND/OR ELEMENTS
1. Vestain Resources Ltd./Sillish Premier Mine	6,100,000 tonnes 0.061 oz/ton Au, 2.35 oz/ton Ag
2. Vestain Resources Ltd./Younigan Mining Explorations Ltd.	1,460,000 tonnes 0.39 oz/ton Au, 0.67 oz/ton Ag
3. Noranda (Todd Creek Project)	Au
4. Scottie Gold Mine	Au
5. Granduc	10,890,000 tons 1.79% Cu
6. Canadian Cariboo Resources/Bagna Ventures/Silver Princess Resources (Doc Project)	470,000 tons 0.27 oz/ton Au, 1.31 oz/ton Ag
7. Placer Dome Inc. (Kerr Project)	66 million tons, .065 Cu, .010 oz/ton Au
8. Catar Resources Ltd. (Gold Wedge Project)	375,000 tons 0.75 oz/ton Au, 1.0 oz/ton Ag
9. Newhawk/Granduc (Sulphurets West Zone Project)	715,400 tons 0.43 oz/ton Au, 15.70 oz/ton Ag
10. Prime/Stikine Resources Ltd. (Kakay Creek Project)	4.36 million tons 0.77 oz/ton Au, 25.12 oz/ton Ag
11. Consolidated Silver Standard Mines Ltd. (E & L Deposit)	3,200,000 tons 0.095 Au, 0.605 Cu
12. Inel Resources Ltd.	Au, Ag, Cu, Pb, Zn
13. Skyline Gold Corporation (Johnny Mountain Mine)	210,000 tons 0.45 oz/ton Au mined to August, 1990
14. Kastrel Resources Ltd.	Au, Ag, Cu, Pb, Zn
15. Hector Resources Inc./Nepheline Resources Ltd. (Golden Spray Vein)	Au, Ag
16. Royal Bay/Big H Petrochem	Au, Ag, Cu, Pb, Zn
17. Winlow	Au, Ag, Cu, Pb, Zn
18. Cominco/Prime Resource Corp. (Salp Deposit)	1,832,000 tons 0.875 oz/ton Au
19. International Prima Exploration Ltd.	Ag, Au
20. Meridor Resources Ltd.	Au
21. Prime Resource Corp./American Ore Ltd./Golden Band	Au
22. Burns/Thins (Rock & Roll Project)	Au, Ag, Cu, Pb, Zn
23. International Prima Exploration Ltd.	Au
24. Pexgold Resource Corp.	Au
25. Sea Gold Resources Inc.	Au
26. Gulf International Minerals Ltd. (Northwest Zone)	Au, Ag, Cu
27. Consolidated Capreco Resources/Crimsonstar (Kerr Claims)	Ag, Cu, Au
28. International Prima Exploration Ltd.	Ag, Pb, Zn
29. International Prima Exploration Ltd.	Cu, Au
30. Avondale Resources Inc. (Forrest Project)	Au, Ag, Cu
31. Pans Lake Resources Ltd./Morica Resources Ltd. (Trek Project)	Cu, Au
32. Hudson Bay/Cominco/Kenac (Galore Creek Deposit)	125,000,000 tonnes 1.065 Cu, 0.257 g/t Au, 7.94 g/t Ag
33. Continental Gold Corp./Cigt Resources Ltd./Goldbelt Mines Ltd.	Au, Ag, Cu
34. Helios Resources Ltd./Sarat Resources Ltd. (Jack Wilson Project)	Au, Cu
35. Pans Lake Resources Ltd./Consolidated Goldwest Ltd. (LD Project)	Au, Cu
36. Lac Minerals (Main Peak Project)	Au
37. Schaft Creek	910,000,000 tonnes 0.303 Cu, 0.0208 Au, 0.113 g/t Au, 0.992 g/t Ag
38. Consolidated Silver Standard/Pacific Century Expl. (Paydirt Project)	200,000 tons 0.150 oz/ton Au
39. Cominco (Forewear Project)	Au, Ag, Cu, Pb, Zn

**COLLINS RESOURCES LTD.**

**NEW 1,5 & 6 CLAIMS**

**Regional Mineral Occurrence Map**

LIARD MINING DIVISION, B.C.

**PAMICON DEVELOPMENTS LTD.**

NTS: 103, 104      Date: March, 1991      FIGURE: 3

and at the head of the Portland Canal. Highlights of this period were:

- \* discovery of copper, gold, silver mineralization at Bronson Creek in the Iskut
- \* location of similar mineralization along the Unuk and at Sulphurets Creek
- \* discovery of the Silbak-Premier gold-silver mine near Stewart plus a number of other rich silver occurrences along the Portland Canal
- \* the location by Tom MacKay of the original mineralization at Eskay Creek near the headwater of the Unuk River

Development and production at this time was largely limited to the area around Stewart where a number of mines produced high grade silver. The most significant producer was the Silbak Premier some 12 km north of Stewart which from 1920 until 1936 produced some 2,550,000 tons grading 16.8 g/tonne gold and 409.5 g/tonne silver.

After World War II the area was explored for base metals, notably copper. This era led to the discovery of the Granduc, Galore Creek and Schaft Creek copper deposits and the E & L copper-nickel deposit. Published reserves of these are listed below and shown on Figure 3.

	<u>Tons</u>	<u>Cu</u> (%)	<u>Au</u> (g/t)	<u>Ag</u> (g/t)	<u>Mo</u> (%)	<u>Ni</u> (%)
Granduc	10,890,000	1.79				
Galore Creek	125,000,000	1.06	0.397	7.94		
Schaft Creek	910,000,000	0.30	0.113	0.992	0.02	
E & L	3,200,000	0.60				0.80

Of these Granduc was taken to production by Newmont Mining but a combination of low copper prices and high operating cost resulted in suspension of activity.

1975 - Present

The more recent activity in the area dates to the rise of precious metal prices in the 1970s. Significant early events at this time were:

- \* acquisition by Skyline Explorations of their property on Mt. Johnny near Bronson Creek in the Iskut in 1980
- \* continued work by Esso Minerals on Granduc Mining's properties on Sulphurets Creek in the Unuk River area
- \* re-organization of the Silbak-Premier property and participation by Westmin Resources Ltd.

Work on these properties led to the following reserves being published for the properties listed below as well as stimulating exploration activity in the area. This activity led to the definition drilling of the Snip deposit by Cominco/Prime, the reserves of which are also shown.

<u>Company</u>	<u>Deposit</u>	<u>Area</u>	<u>Short Tons</u>	<u>Au</u> (oz/t)	<u>Ag</u> (oz/t)	<u>Ref.</u>
Cominco/Prime	Snip	Iskut	1,032,000	0.875		Note 1
Newhawk/Lacana	West Zone	Sulphurets	550,400	0.420	18.00	Note 2
	Sulphurets Lake Zone	Sulphurets	20,000,000	0.08		Note 3
Catear Resources	Gold Wedge	Sulphurets	295,000	0.835	2.44	Note 4
Westmin Silbak	Silbak	Stewart	5,770,000	2.06 g/t	86.3 g/t	

Note 1: News Release, Vancouver Stockwatch, November 7, 1988

Note 2: News Release, Northern Miner, February 19, 1990

Note 3: News Release, Vancouver Stockwatch, August 24, 1989

Note 4: Pers. Comm., Catear Resources

Between August, 1988 and July, 1990 Skyline Gold Corp. produced 210,000 tons grading 0.45 oz/ton Au (pers. comm., D. Yeager) from its Reg property.

These successes have generated extensive exploration activity in the area which has led to the discovery of a large number of mineral occurrences which are in a preliminary stage of evaluation. The most notable of these to date is on Tom MacKay's old Eskay Creek showings. The 1988/89 work on this project of Prime/Stikine Resources indicated a major gold-silver-base metal mineral deposit of possible volcanogenic massive sulphide and epithermal affinity with a minimum strike length of 1800 metres. Some notable recent results on the project are:

DDH #CA 89-93      91.8 feet      0.453 oz/ton Au and 16.9 oz/ton Ag  
 DDH #CA 89-109    682.2 feet      0.875 oz/ton Au and 0.97 oz/ton Ag  
                   including    62.3 feet      7.765 oz/ton Au and 1.35 oz/ton Ag

These intersections are considered to be close to the true width of the mineralization. A great many other excellent intersections have been published by the companies and exploration is continuing with drilling and underground bulk sampling tests. Reserves based on this drilling indicate probable reserves of 4,364,000 tons grading 0.77 oz/ton Au and 29.12 oz/ton Ag (Northern Miner, September 24, 1990).

In 1990 the companies initiated an underground development and sampling program on the deposit to confirm these reserves and obtain bulk samples for metallurgical testing.

Drilling on Gulf International Minerals' Northwest Zone near Newmont Lake has been ongoing between 1987 and 1990. A few of their more significant intersections are provided below (annual reports and news releases).

<u>Drill Hole</u>	<u>Interval</u> (feet)	<u>Length</u> (feet)	<u>Copper</u> (%)	<u>Silver</u> (oz/ton)	<u>Gold</u> (oz/ton)
87-25	343.0-373.0	30.0	0.23	0.11	0.404
	409.3-412.0	2.7	0.55	0.35	0.250
	470.2-473.8	3.6	0.42	0.19	1.520

<u>Drill Hole</u>	<u>Interval</u> (feet)	<u>Length</u> (feet)	<u>Copper</u> (%)	<u>Silver</u> (oz/ton)	<u>Gold</u> (oz/ton)
87-29	167.0-170.0	3.0	0.001	0.01	0.140
	205.0-241.5	36.5	0.97	1.16	1.605
88-28	213.9-229.0	15.1	0.41	0.29	0.810
	260.5-276.6	16.1	0.24	0.29	0.645
	300.2-301.5	1.3	0.15	0.17	0.320
	330.1-338.9	8.9	1.99	0.31	0.340
	353.0-363.2	10.2	1.02	0.22	0.268

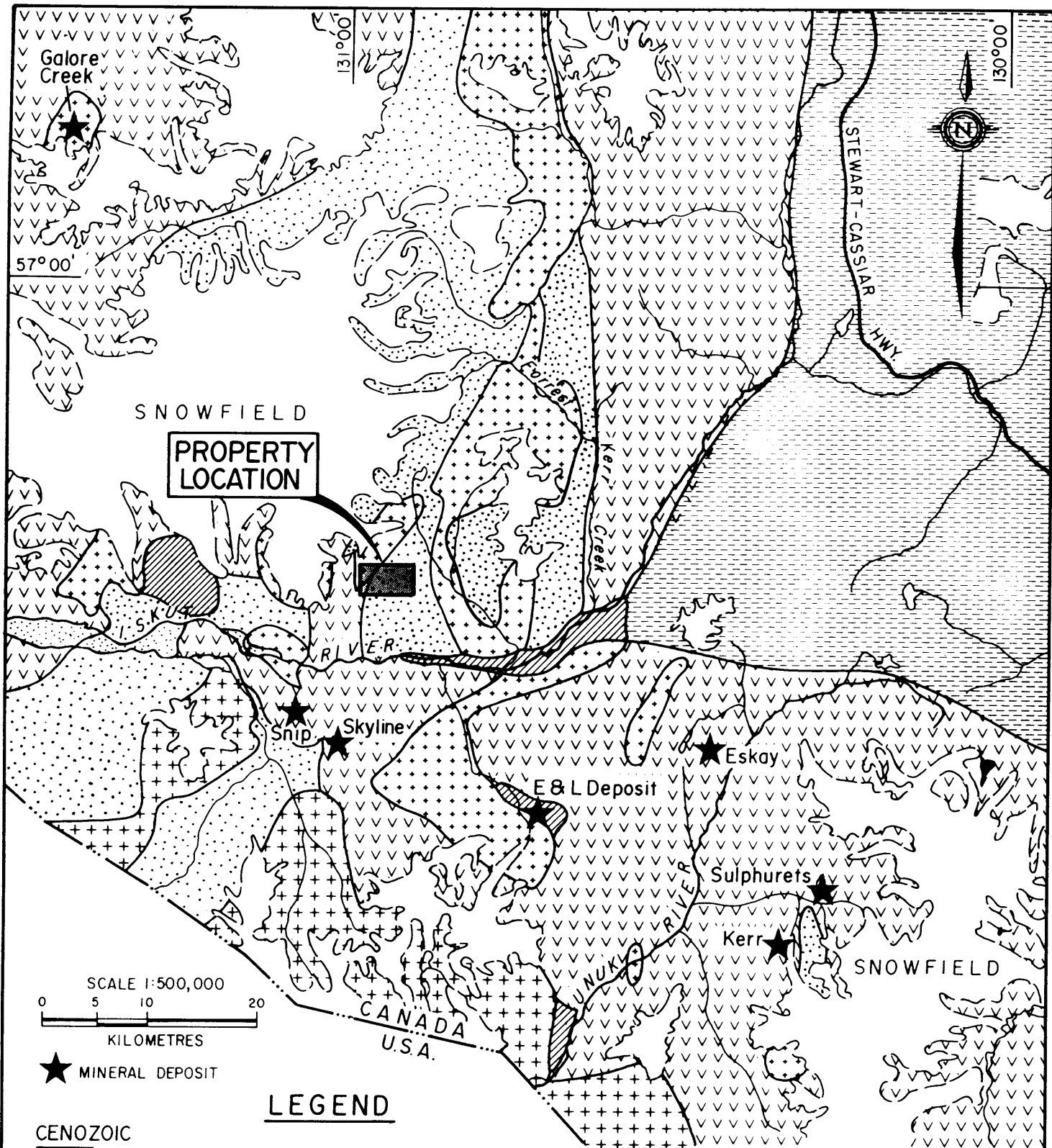
In September 1989 Bond International Gold Inc. announced initial drill results from their Red Mountain project. The location of this project is believed to be some 15 kilometres east of Stewart. A 66 metre intersection on the Marc Zone reportedly graded 9.88 gm/tonne gold and 49.20 gm/tonne silver. On the Willoughby Gossan Zone a 20.5 metre intersection is reported as 24.98 gm/tonne gold and 184.2 gm/tonne silver.

A great many other companies active in the areas have released assays from preliminary trenching and/or drilling. Many of these show excellent values in gold, silver and base metals and it is anticipated that additional properties with mineral reserves of possible economic significance will emerge.

## 5.0 REGIONAL GEOLOGY

The geology of the Iskut-Galore-Eskay-Sulphurets area has undergone considerable study in the past few years by industry, federal and provincial geologists (Figure 4). Much of this work stemmed from Grove's mapping of the Stewart Complex (Grove, 1969, 1970, 1973, 1982, 1987). Earliest geological mapping of the area was carried out by Kerr (1948) during the 1920s and 1930s although Operation Stikine undertaken by the Geological Survey of Canada in 1957 produced the first publications. R.G. Anderson of the Geological Survey of Canada is presently mapping the area covered within NTS 104B.





57°00'

131°00'

130°00'

SNOWFIELD

PROPERTY LOCATION

SKUTUMPAH RIVER

Snip

Skyline

E & L Deposit

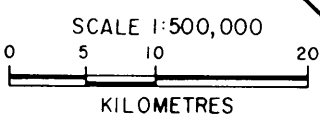
Eskay

Sulphurets

Kerr

SNOWFIELD

CANADA  
U.S.A.



★ MINERAL DEPOSIT

**LEGEND**

**CENOZOIC**

Recent basalt flows

Early Tertiary felsic intrusives, primarily quartz monzonite

**MESOZOIC**

Jurassic to Tertiary intrusives, felsic to intermediate, incl. Coast Range Intrusives

Middle to Upper Jurassic Bowser Lake Group clastic sediments

Upper Triassic to Upper Jurassic volcanics and sediments, Hazelton and Stuhini Groups

**PALEOZOIC**

Permian and older clastic, limestone and volcanic rocks and metamorphic equivalents; includes metamorphic rocks of unknown age.

COLLINS RESOURCES LTD.

NEW 1, 5 & 6 CLAIMS

**SIMPLIFIED  
REGIONAL GEOLOGY**

LIARD MINING DIVISION, B.C.

PAMICON DEVELOPMENTS LTD.

Geology interpreted from G.S.C. Map II-1971, Telegraph Creek; Equity Preservation Corp., Stewart-Sulphurets-Iskut Map 1988; B.C.G.S. Open File 1990-1; and from Pamicon Developments Ltd. field maps.

Drawn	J.W.	N.T.S.	103, 104	Date	APRIL, 1991	FIG.	4
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Grove defined a northwest trending assemblage of Upper Triassic and Jurassic volcanics and sedimentary rocks extending from Alice Arm in the south to the Iskut River in the north as the Stewart Complex. Paleozoic limestone and volcanics underlie the complex while Mesozoic to Tertiary aged intrusives cut the units. Tertiary felsic plutons forming the Coast Plutonic Complex bound the area to the west while clastic sediments of the Spatsizi and Bowser Lake Groups overlap on the east.

Age dating of mineralization within the various mining districts suggests a close cospatial and coeval relationship with late Triassic to early Jurassic volcanics and intrusives within. This has directed exploration efforts toward these members.

A stratigraphic column of the area's lithologies is presented on the following page.

## PALEOZOIC

### Stikine Assemblage Volcanic and Sedimentary Rocks

Paleozoic Stikine assemblage rocks commonly occur as uplifted blocks associated with major intrusive bodies as exposed along the southwest flanks of Johnny Mountain and Zappa Mountain.

At the base of the Stikine assemblage stratigraphic column, at least four distinctive limestone members have been differentiated interlayered with mafic volcanoclastics, felsic crystal tuffs, pebble conglomerate and siliceous shale.

Mississippian rocks consist of thick-bedded limestone members interbedded with chert, pillowed basalt and epiclastic rocks.

**Stratigraphy of the Iskut River Area**  
(after descriptions by R.G. Anderson and J.M. Logan)

Stratigraphy	Lithology	Comments
<b>BOWSER GROUP</b>		
M. Jurassic	conglomerate, siltstone, sandstone, shale —gradational to unconformable—	Successor basin
<b>SPATSIZI GROUP</b>		
L. Jurassic	shale, tuff, limestone —unconformable—	
<b>HAZELTON GROUP</b>		
E. Jurassic	coeval alkalic/calc-alkalic —gradational to unconformable—	contractional event? Island Arc rocks
<b>STUHINI GROUP</b>		
L. Triassic	intrusions; mafic volcanic rocks in the east, bimodal in the west  polymictic conglomerate basaltic to andesitic volcanics (plagioclase and hornblende)	extensional in western area  no Triassic clasts; limestone clasts common
M. Triassic	sedimentary rocks —unconformable—	—contractional event—
<b>STIKINE ASSEMBLAGE</b>		
Permian	thin bedded coralline to crystalline limestone (over 1000 m thick), fossiliferous; intermediate flows and volcanoclastics	volcanic units resemble Hazelton Group rocks
E. Permian	rusty argillite —unconformable—	
	'siliceous' turbidite, felsic lapilli tuff	extensional event
Missis- sippian	mafic meta- volcanics and metasediments  —unconformable—	upper coralline limestone and conglomerate lower limestone with tuff layers  thick bedded  limestone commonly bioclastic, coarse crinoids, corals
E. Devonian	limestone; intermediate to felsic volcanics	contractional events; rocks highly deformed

**Plutonic Rocks - Coast Plutonic Complex**

L. Tertiary	granodiorite, diorite, basalt —intrusive contacts—
E. Tertiary	quartz diorite, granodiorite, quartz monzonite, feldspar porphyry, granite —intrusive contact—
M. Jurassic	quartz monzonite, feldspar porphyry, syenite —intrusive contact—
L. Jurassic	diorite, syenodiorite, granite —intrusive contact—
L. Triassic	diorite, quartz diorite, granodiorite
? Not determined	quartz diorite, ?

Lower Permian units comprise thin- to thick-bedded corraline limestone interbedded with volcanic mafic to felsic volcanic flows, tuffs and volcanoclastics.

## MESOZOIC

### Stuhini Group Volcanic and Sedimentary Rocks

Upper Triassic Stuhini Group volcanic and sedimentary rocks are characterized by a distinct facies change from bimodal mafic to felsic flows and tuffs interbedded with thick sections of limestone in the northwest to predominantly mafic volcanics with minor shale members in the southeast.

### Hazelton Group Volcanic and Sedimentary Rocks

Lower Jurassic Hazelton Group volcanic and sedimentary rocks predominantly occur in the southeast, northwest corners and central portions of the Galore-Iskut-Sulphurets area. Hazelton Group stratigraphy consists of the lowermost Unuk River Formation (Grove, 1986) comprised of mafic to intermediate volcanics with interbedded shale, argillite and greywacke sediments capped by feldspar porphyry flow; the Betty Creek Formation (Grove, 1986) overlying the Unuk River Formation consists of maroon and green volcanic conglomerate and breccia often containing diagnostic jasperoidal veins, with the youngest uppermost member of the Hazelton Group consisting of dacite to rhyolite, spherulitic rhyolite welded tuff and tuff breccia with basal sediments and upper pillow basalts correlative with Grove's (1986) Salmon River Formation and Alldrick's (1987) Mount Dilworth Formation.

Lower Jurassic volcanics of the area are commonly correlated with the Telkwa Formation of the Hazelton Group. A close spatial and coeval relationship has long been recognized (Alldrick, 1986, 1987 and others) between Lower Jurassic volcanism and early Jurassic intrusive activity and its metallogenic import-

ance in precious metal mineralization (Premier porphyry). Because of the relationship, lower members of the Hazelton Group are considered the most favourable targets for exploration.

#### Spatsizi Group Sedimentary Rocks

Spatsizi Group shales, tuffs and limestone of upper Lower and lower Middle Jurassic age overlie Hazelton Group rocks in the eastern part of the map area. Buff, sandy bivalve and belemnite fossil bearing limestone units decrease in abundance in the north parts of the area at the expense of shale. Here, black radiolarian-bearing siliceous shale alternately interbeds with white tuffs giving the units an informal name of 'pyjama beds'. This pyjama bed sequence serves as an important marker for identifying the favourable underlying Hazelton Group.

#### Bowser Group Sedimentary Rocks

Bowser Lake Group Middle and Upper Jurassic clastic sediments cover most of the northeast quadrant of the map area. Interbedded shale and greywacke units predominate in the south while thick-bedded shales dominate toward the north. Near the highlands toward the northern reaches of the Bowser Basin, basal chert-rich conglomerates identify the Bowser Group as an overlap assemblage.

#### CENOZOIC VOLCANIC ROCKS

Recent mafic flows and ash of the Hoodoo Formation, Iskut Formation and Lava Fork Formation cap specific areas within the region.

## PLUTONIC ROCKS

The Coast Plutonic Complex, forming the western boundary of the Stewart Complex, is generally characterized by felsic Tertiary plutons. Late Triassic Stuhini Group and Early Jurassic Hazelton Group plutonic styles suggest coeval and cospatial relationships with surrounding volcanics via distinctive porphyritic dykes such as the Premier Porphyry. Tertiary Coast Complex plutons lack these dykes and volcanic equivalents.

## 6.0 PROPERTY GEOLOGY

The New 1, 5 & 6 claims are underlain in the central parts by Paleozoic volcanics and sediments with Jurassic intrusive complexes bounding both the western and eastern parts of the property (BCMEMP Open File 1990-2) (Figure 5).

During 1990, only brief examination of property scale geology was undertaken other than in the immediate area of the drilling program. In his last report dated December, 1988, Dewonck indicates that volcanic rocks consist of rhyodacites to andesites and occur as flows, crystal fragmental tuffs, lapilli tuffs, agglomerates, and epiclastic units. Sediments are siltstone, greywackes, chert and argillite. A comprehensive property geology map is included in that report and was the one referenced to for this program.

Intrusive rocks range in composition from diorite to quartz monzonite. In the immediate area of the 1990 drilling, the host lithology is quartz monzonite in composition with 60-80% medium to coarse grained feldspar, 5-25% fine to medium quartz, and 0-25% mafic crystals. Alteration varies from non-existent to locally strong and commonly consists of silicification, bleaching and/or quartz-sericite alteration and/or quartz-carbonate alteration and/or chloritic alteration. Mineralization is most commonly associated with strong quartz-carbonate-chlorite alteration.

COLLINS RESOURCES LTD.

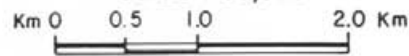
# NEW 1, 5 & 6 CLAIMS PROPERTY AREA GEOLOGY MAP

LIARD MINING DIVISION, B.C.

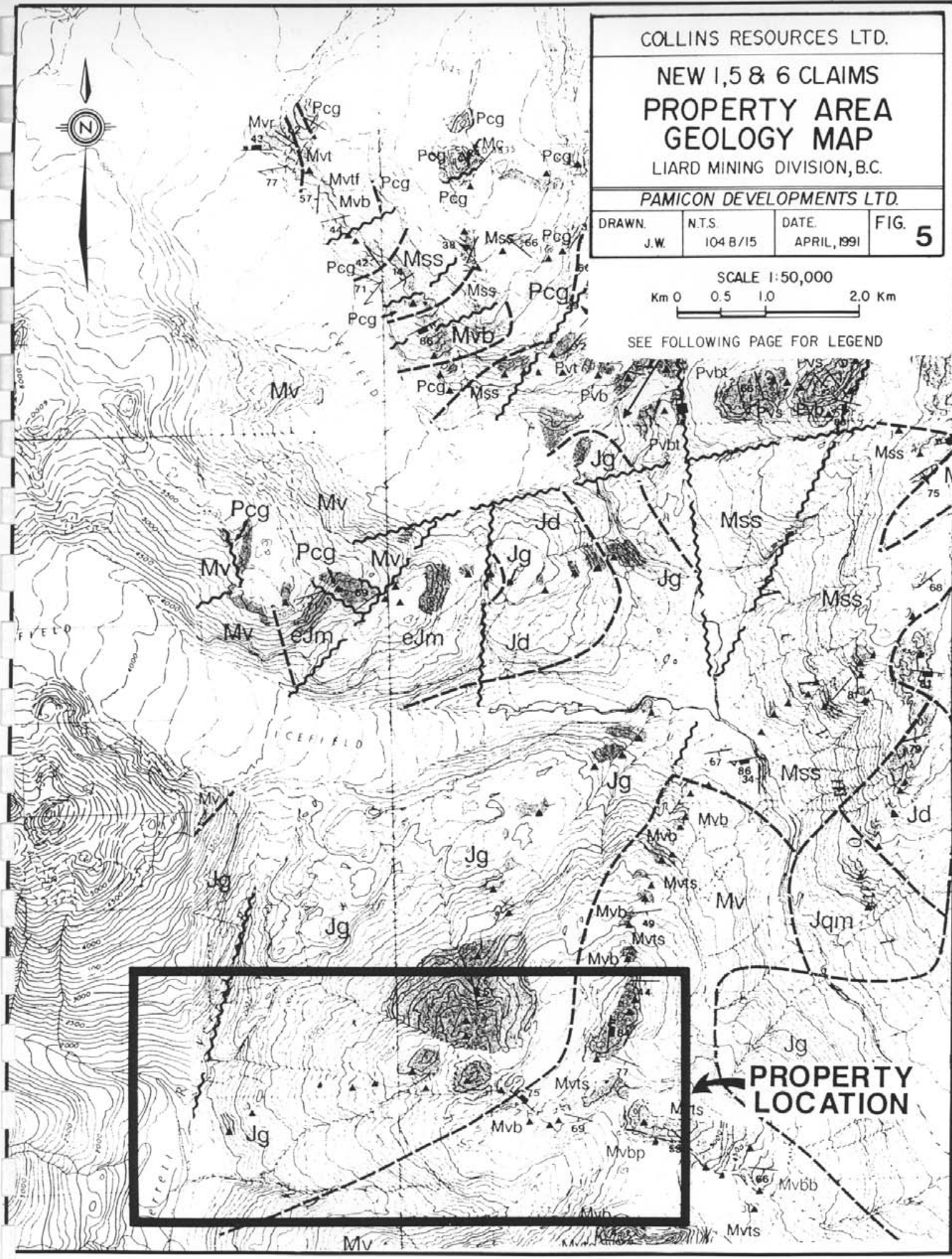
PAMICON DEVELOPMENTS LTD.

DRAWN.	N.T.S.	DATE.	FIG.
J.W.	104 B/15	APRIL, 1991	5

SCALE 1:50,000



SEE FOLLOWING PAGE FOR LEGEND



# LEGEND

## MISSISSIPPIAN - PENNSYLVANIAN

- |            |   |
|------------|---|
| <b>Mss</b> | <i>SILTSTONE-SANDSTONE TURBIDITES AND LESSER CHERTS</i> |
|------------|---|
- |           |  |
|-----------|--|
| <b>Mc</b> | <i>THICK-BEDDED CRINOIDAL CALCARENITE WITH INTERBEDDED SILICEOUS SILTSTONE</i> |
|-----------|--|
- |           |                            |
|-----------|----------------------------|
| <b>Mv</b> | <i>UNDIVIDED VOLCANICS</i> |
|-----------|----------------------------|
- |            |   |
|------------|---|
| <b>Mvt</b> | <i>MAFIC TO INTERMEDIATE SCORIACEOUS LAPILLI TUFF; SILICEOUS DUST TUFFS AND EPICLASTICS (Mvts); INTERMEDIATE TO FELSIC ASH FLOW AND WELDED TUFFS (Mvtf)</i> |
|------------|---|
- |            |  |
|------------|--|
| <b>Mvr</b> | <i>RHYOLITE, RHYODACITE, PINK AND ORANGE FLOW BANDED BRECCIAS VARYING TO MASSIVE SUBVOLCANIC BODIES, GLOMEROPORPHYRITIC FELDSPAR AND QUARTZ EYES COMMON.</i> |
|------------|--|
- |            |   |
|------------|---|
| <b>Mvb</b> | <i>MASSIVE-AMYGDALOIDAL BASALT FLOWS; HYALOCLASTITE DEBRIS FLOWS (Mvbb); PILLOW BASALT (Mvdp)</i> |
|------------|---|

## INTRUSIVE ROCKS

### JURASSIC AND YOUNGER(?)

- |           |   |
|-----------|---|
| <b>Jg</b> | <i>BIOTITE GRANITE; PINK, COARSE TO MEDIUM GRAINED, EQUIGRANULAR TO 'QUARTZ EYE' PORPHYRITIC, LESS COMMONLY HORNBLLENDE IS THE MAFIC CONSTITUENT, QUARTZ EXCEEDS 30 PERCENT, QUARTZ RICH PHASES (50 PER CENT) ARE SPATIALLY RELATED TO FAULT STRUCTURES</i> |
|-----------|---|
- |            |  |
|------------|--|
| <b>Jqm</b> | <i>HORNBLLENDE QUARTZ MONZONITE TO MONZONITE; COARSE TO MEDIUM GRAINED, HORNBLLENDE AVERAGES 20 PERCENT AS 5 MILLIMETRE CRYSTAL LATHS AND POIKILITIC CLOTS, BIOTITE WHERE PRESENT IS FINE GRAINED AND LESS THAN 5 PERCENT.</i> |
|------------|--|

## MAP SYMBOLS

- |   |  |
|---|--|
| Geological contact (defined, approximate, assumed) .....    |  |
| Unconformable contact (defined, assumed) .....              |  |
| Bedding (horizontal, inclined, overturned) .....            |  |
| Foliation .....   |  |
| Fault (observed, inferred) .....                            |  |
| Thrust or high angle reverse fault (defined, assumed) ..... |  |
| Anticline (direction of plunge indicated) .....             |  |
| Syncline (direction of plunge indicated) .....              |  |
| Minor fold axis .....                                       |  |
| Joint .....   |  |
| Dyke .....  |  |
| Vein .....  |  |
| Outcrop visited .....                                       |  |

NTS 104B/15 AND PART OF 104B/10

**JAMES M. LOGAN, VICTOR M. KOYANAGI,  
JOHN R. DROBE**

Ministry of Energy, Mines and Petroleum Resources  
GEOLOGICAL SURVEY BRANCH

**OPEN FILE 1990-2 (SHEET 1 OF 2)**



In the area of the drill program, several west-northwest trending faults are interpreted to offset the quartz veins of interest along their strike.

#### 7.0 1990 WORK PROGRAM

Work on the property during 1990 mainly concentrated on drill testing several mineralized quartz vein occurrences on the New 1 and 6 claims (Figure 6). Ten holes were drilled totalling 447.5 metres (Figures 7 to 12) using a modified JKS 1000 drill. Falcon Drilling Ltd. of Prince George, B.C. was contracted for the program. Drill core was slung from the property to the base camp at Bronson Creek where it was logged and split for assaying. All holes were completely split and analyzed for their gold and silver content. Vangeochem Labs of Vancouver was used for analyses.

As well, six mandays were spent prospecting certain areas of the property. Twenty-three rock chip samples of mineralized material were collected and analyzed.

#### 8.0 1990 DRILL PROGRAM

Hole AC 90-01 intersected a quartz vein over 0.53 m at 25.73 m corresponding to the A4 vein. The vein contained 20-40% pyrite and 1% chalcopyrite. It was followed over the next 5 m by three quartz-carbonate stringers 2, 3 and 15 cm wide, containing 3-10% pyrite and 1-3% chalcopyrite. Quartz-sericite and quartz-chlorite-carbonate alteration is quite pronounced from the vein downhole.

Hole AC 90-02 intersected quartz veins over 0.22 m and 0.34 m at 35.91 and 37.24 m respectively. The former contained 20-30% coarse pyrite, the latter 3-20% medium crystalline pyrite. These veins could represent an anastomosing and gradually flattening dip of vein A4 at depth. Little subsidiary stringer activity was noted.

310°/130°

AC 90-01 (-45°)  
-02 (-65°)  
ELEV. 1354 m  
CASING

TA4 PROJECTED INTO PROFILE FROM 4m SOUTH

0.3 cm qtz - carb  
VEINLET (36° TCA)

qtz MONZODIORITE

25 cm ZONE OF BLEACHED GOUGE  
SUCCEEDED BY 6 cm OF qtz - carb BOXWORK  
20 cm BOXWORK OF carb - SERICITE &  
INTERSTITIAL CHLORITE AND HEMATITE (37° TCA)

3 cm qtz - carb VEIN (84° TCA)

0.53 m qtz VEIN & MINOR carb, 20-30% py, <1% cpy (80° TCA)

2 cm qtz - carb VEIN & 5-10% py (76° TCA)

3 cm qtz - carb VEIN, 1-3% py (75° TCA)

15 cm qtz - carb VEIN, 3-5% py, 1-3% cpy (46° TCA)

PAIR OF 0.2 cm qtz VEINS, 1-3% cpy (73° TCA)

ALTERED, SILICIFIED

ALTERED qtz MONZODIORITE

2 cm qtz - carb VEINLET @ 69° TCA

1 cm qtz - carb VEINLET @ 62° TCA

0.22 m qtz VEIN & MINOR  
carb 10-20% py LOCALLY  
20-30% @ 56° TCA

0.34 WEAKLY BRECCIATED  
qtz - carb VEIN, 3-5% py  
LOCALLY 10-20% @ 54° TCA

BLEACHING ZONE OF MODERATE TO LOCALLY  
STRONG BLEACHING, qtz - SERICITE ALTERATION  
TO DISTRICT ZONES OF STRONG CHLORITIC ALTERATION

4 cm carb VEIN & MINOR qtz,  
1-3% py, 1-3% hem, 1% cpy  
@ 51° TCA

1 cm carb VEIN @ 84° TCA

TD 40.56 m

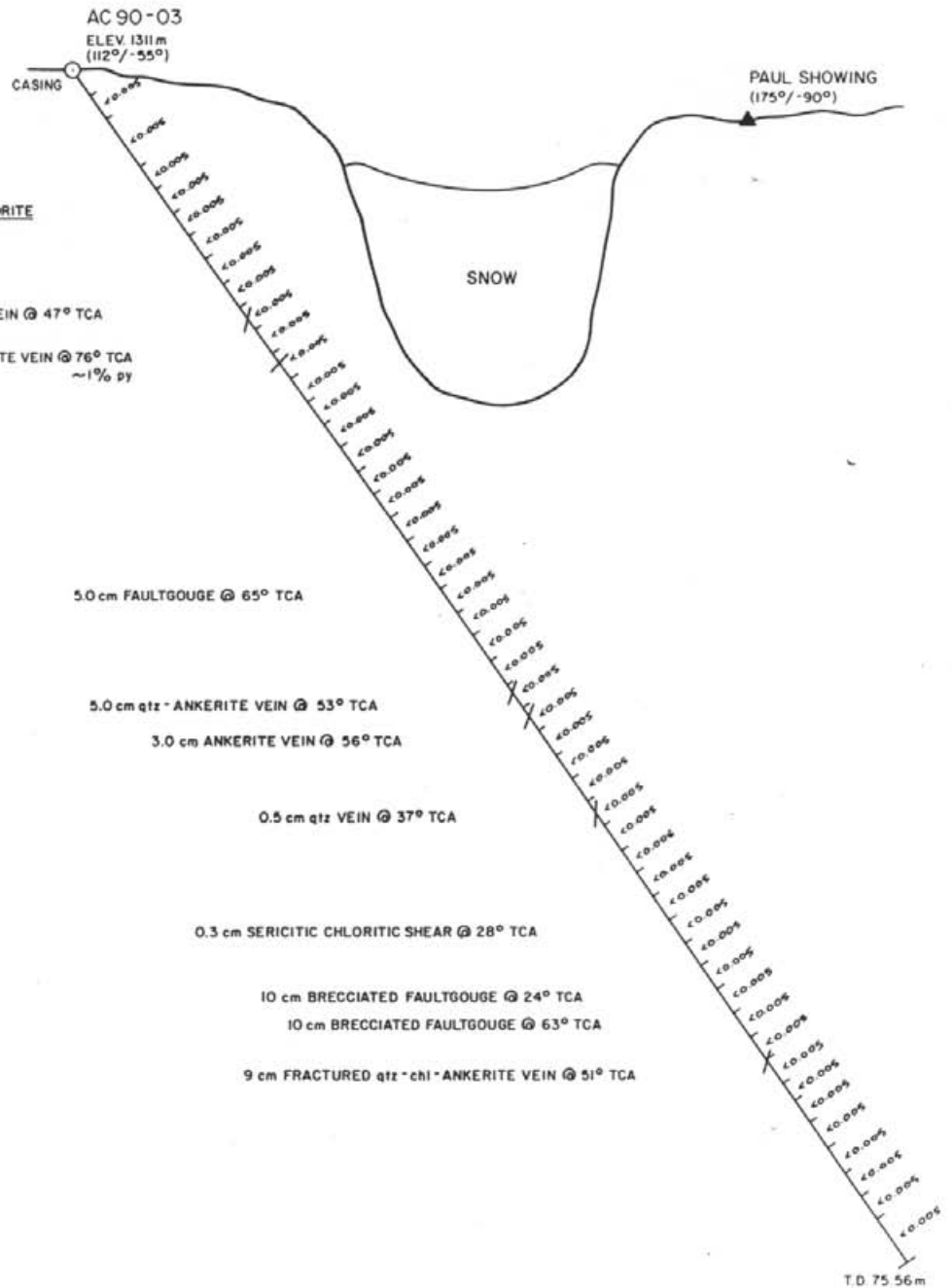
TD 50.76 m

(VALUES IN oz / Ton Au)



COLLINS RESOURCES LTD.			
DRILL SECTION AC90 - 01 & 02			
LIARD MINING DIVISION, B.C.			
PAMICON DEVELOPMENTS LTD.			
Drawn J.C.	N.T.S. 1048/15	Date April, 1991	FIG 7

← 290° / 110° →



(VALUES IN oz/Ton Au)

m 0 5 10

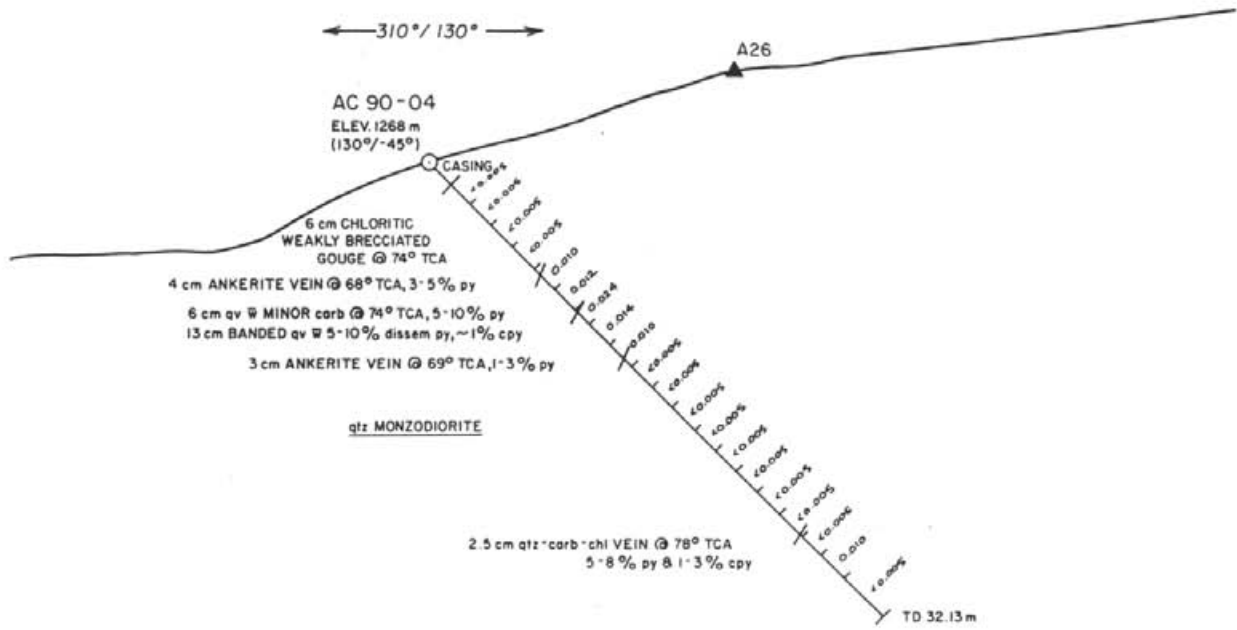
COLLINS RESOURCES LTD.

DRILL SECTION  
AC90-03

LIARD MINING DIVISION, B. C.

PAMICON DEVELOPMENTS LTD.

Drawn J.C.	N.T.S. 104B/15	Date April, 1991	FIG. 8
---------------	-------------------	---------------------	--------



(ALL VALUES IN oz / Ton Au)



COLLINS RESOURCES LTD.			
<b>DRILL SECTION</b> <b>AC90-04</b>			
LIARD MINING DIVISION, B. C.			
<i>PAMICON DEVELOPMENTS LTD.</i>			
Drawn J. C.	N.T.S. 1048/15	Date April, 1991	FIG. <b>9</b>

← 315°/135° →

AC 90-05 (145°/-45°)  
-06 (145°/-65°)  
ELEV. 1337 m

CASING

A49

qtz MONZODIORITE

qtz MONZODIORITE

0.5 cm chl-carb VEIN @ 63° TCA

ONE OF SEVERAL ≤ 0.2 cm carb STRINGERS @ 59° TCA

0.6 cm GOUGE FILLED SHEAR @ 28° TCA

13 cm STRONGLY CHLORITIC ZONE # 3 cm qtz VEIN @ 39° TCA # 2-4% py

18 cm qtz-chl-carb FAULT BRECCIA @ 31° TCA

1 cm ANKERITE VEIN @ 40° TCA

0.8 cm carb-chl VEIN @ 63° TCA

30 cm qtz-carb VEIN, 20-25% py AS 1 cm BANDS AND BLEBS @ 27° TCA  
1-3% cpy AS SAME

TD 39.33 m

TD 39.63 m

(ALL VALUES IN oz/Ton Au)

0 5 10 m

COLLINS RESOURCES LTD.

DRILL SECTION

AC90-05 & 06

LIARD MINING DIVISION, B.C.

PAMICON DEVELOPMENTS LTD.

Drawn J.C.	N.T.S. 1048/15	Date April, 1991	FIG. 10
---------------	-------------------	---------------------	---------

← 320°/140° →

AC90-07 (140°/45°)  
-08 (140°/65°)  
ELEV. 1315 m

A 33

NOTE: DIP OF VEIN ROLLS FROM  
30° W TO 60° W

qtz DIORITE

qtz MONZODIORITE

hem-carb-chl SHEAR @ 42° TCA

0.2 cm HEMATIZED SHEAR @ 33° TCA

qtz DIORITE

HEMATIZED SHEAR @ 33° TCA

2.0 cm HEMATIZED FAULT BRECCIA @ 77° TCA

qtz MONZODIORITE

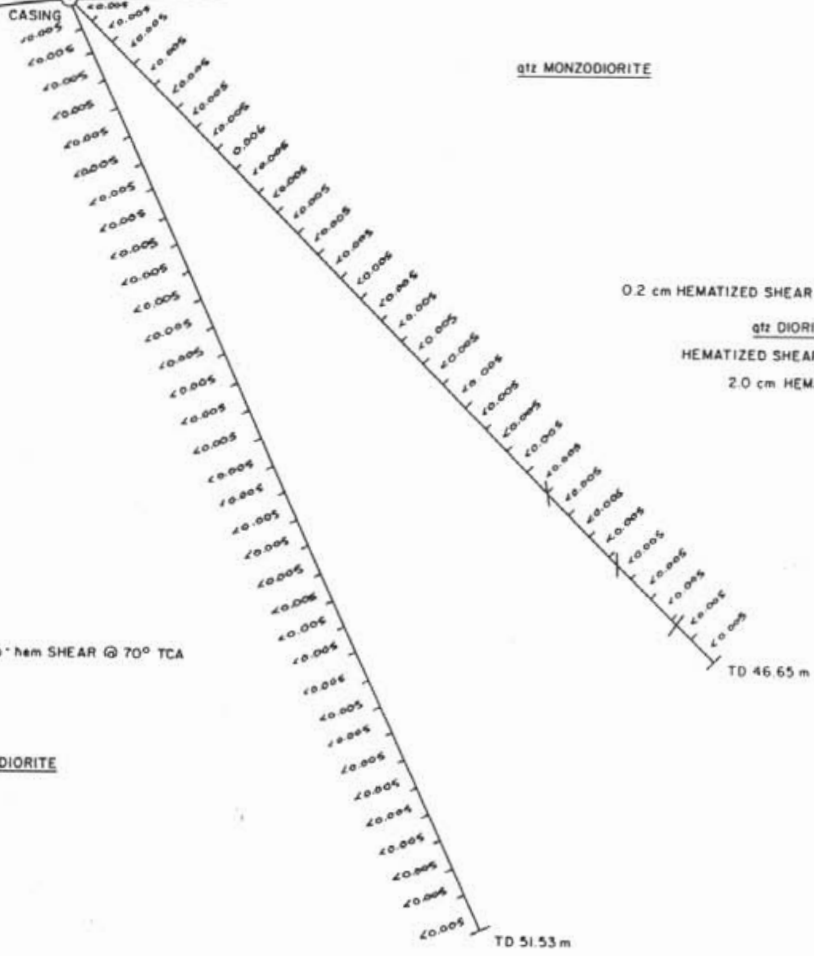
0.8 cm CHLORITIC qtz VEIN @ 33° TCA

1.0 cm ANKERITE VEIN @ 44° TCA

0.8 cm qtz-ANKERITE VEIN @ 79° TCA

1.5 cm qtz-chl-carb-hem SHEAR @ 70° TCA

qtz MONZODIORITE



(ALL VALUES IN oz/Ton Au)



COLLINS RESOURCES LTD.			
DRILL SECTION AC90-07 & 08			
LIARD MINING DIVISION, B.C.			
PAMICON DEVELOPMENTS LTD.			
Drawn J.C.	NTS 1048/15	Date April, 1991	FIG. 11

← 327° / 147° →

A31

NOTE: VEIN DIPS 70° W  
IS 10° OFF SECTION

AC 90-09 (150°/-45°)  
AC 90-10 (150°/-65°)  
ELEV 1279 m

CASING

0.5 cm qtz-carb VEIN @ 77° TCA

3.0 cm qtz-ANKERITE VEIN @ 66° TCA

ALTERED qtz MONZODIORITE

2.5 cm carb VEIN w MINOR qtz @ 63° TCA  
1-3% VERY FINE py

0.4 cm carb VEIN @ 53° TCA, 1-3% py SELVAGE  
0.7 cm HEMATITIC, CHLORITIC SHEAR @ 33° TCA  
50 cm qtz VEIN @ 24°, MINOR carb, CHLORITE, 2-5% py  
LOCALLY 5-15%, 1% cpy

78 cm qtz-carb VEIN (TOP CONTACT 63°, LOWER 60° TCH)  
5-20% py, LOCALLY AS MASSES TO 1.5 cm dia, 1-2% cpy

6 cm qtz VEIN w MINOR carb @ 66° TCA, 5-10% py

ALTERED qtz MONZODIORITE

9.0 cm SILIC'D carb VEIN @ 43° TCA, 1-3% py  
1.3 cm qtz-carb VEIN @ 78° TCA, 1-3% py, 1% cpy

0.7 cm carb VEIN @ 44° TCA

2.0 cm qtz-carb-chi-hem VEIN @ 54° TCA

2.5 cm qtz VEIN w 30-50% MASSIVE py @ 65° TCA  
34 cm qtz VEIN @ 79° TCA w 30-50% py, LOCALLY 3-5%

1 cm qtz VEIN @ 61° TCA, 20-30% MASSIVE py  
0.7 cm qtz VEIN @ 74° TCA, 30-40% py, 1-3% cpy

TD 29.27 m

TD 41.77 m

( ALL VALUES IN oz/Ton Au )

0 5 10 m

COLLINS RESOURCES LTD.

DRILL SECTION  
AC90-09 & 10

LIARD MINING DIVISION, B. C.

PAMICON DEVELOPMENTS LTD.

Drawn J.C. N.T.S. 1048/15 Date April, 1991

FIG. 12

AC 90-03 intersected several quartz-carbonate stringers up to 5 cm wide, but none were mineralized. As well, three shears or faults were intersected between 56-60 m of vertical to subvertical orientation, suggesting the intersection of A5 may have been cut off.

The remainder of drilling concentrated on the Number 1 showing. The anastomosing, arcuate and offset nature of these veins is quite evident at surface.

This is apparent in AC 90-04, where the target was the near vertical A4 vein. Near the top of the hole, there are four 3-13 cm quartz and/or carbonate veins containing 1-3 locally 5-10% pyrite and 1% chalcopyrite, whereas directly beneath A4 at surface, the only intersection is a 2.5 cm quartz-carbonate-chlorite vein containing 5-8% pyrite and 1-3% chalcopyrite dipping approximately 57°W. Alteration was slightly weaker in the previous holes.

The pinch and swell nature of the veins can be seen in holes AC 90-05 and 06 from the A49 setup.

Hole AC 90-05 intersects one 3 cm quartz vein (2-4% pyrite) at 22.36 m. Hole AC 90-06 intersected a quartz vein across 30 cm at 35.17 m, containing 20-25% partially banded pyrite and 1-3% chalcopyrite. The intersections of the veins from the two holes correspond quite well with the predicted trace of the A49 vein at depth.

Holes AC 90-07 and 08 targeted the A33 vein, which was arcuate, and the dip steepened from 30°W to 60°W, going north at surface. The steepness and instability of the slope did not allow for the desired drill setup. Due to pad shifting, the original attempt at AC 90-07 was abandoned after 10 m. AC 90-07 and 08 were eventually completed as planned, with disappointing results. They were drilled into a more mafic quartz diorite. Very little quartz-carbonate-chlorite alteration was observed.



The most promising holes turned out to be AC 90-09 and 10, targeted for the A31 vein. These holes exhibited moderate to strong alteration throughout; namely quartz-sericite, carbonate-chlorite, local potassic and hematite. In AC 90-09, several 1-9 cm quartz-carbonate stringers containing 1-4% pyrite were intersected along its length. At 23.65 m, a quartz vein was intersected across 0.34 m containing 30-50% massive pyrite and locally 3-5% massive chalcopyrite. Within 1.5 m either side are subsidiary veinlets up to 2-5 cm wide, containing massive pyrite and minor chalcopyrite. The mineralized intersection occurred approximately 10 m deeper than expected. Since the core angles did not suggest a steepened dip, it would seem a shallow plunging cross fault had offset the vein to a greater depth.

This seemed to be confirmed by the results of AC 90-10, which was similar to AC 90-09 in section regarding alteration and occurrence of mineralized quartz-carbonate veinlets. Two intersections of mineralized quartz-carbonate occur across 0.50 m at 30.32 m and 0.78 m at 33.62 m. Both intersections contained 5% pyrite, locally to 20%, and 1-2% chalcopyrite. The 0.50 m intersection seems to correlate with the 0.34 m intersection in AC 90-09, subparallel to A31's trace from surface. The 0.78 m intersection in AC 90-10 may relate to a fault offset intersection of the A21 vein, or anastomosing and thickening of the A31 vein.

To summarize, it would seem the mineralized quartz-carbonate vein systems of the Paul and Number 1 showings are located in a setting of moderate structural complexity. North trending main faults and cross faults cause gaps, and create an echelon exposure of the veins. As well, drill data suggests that crosscutting low angle to sub-horizontal faults may be present. The character of the veins themselves is unpredictable, as they may be arcuate, and their dip may vary significantly along strike and at depth.

## 9.0 OTHER MINERALIZATION

Five hundred metres southeast of the area drilled, a zone of chalcopyrite and pyrite mineralization was sampled and analyzed (Figure 2). The mineralization occurs as disseminations and wispy stringers within a dark grey to black colored lapilli tuff breccia. Orequest Consultants also sampled various occurrences of this style of mineralization and produced similar results as those obtained in 1990. The mineralization appears to be ubiquitous in the unit and has been followed over an area greater than 100 metres. Also in this area, one piece of subangular float mineralization with massive chalcopyrite and pyrrhotite was found and sampled (#53301). The source of this boulder was not located. Results of these samples are listed below:

<u>Sample Number</u>	<u>Au (ppb)</u>	<u>Cu (%)</u>
53301	100	7.77
53304	1,180	14.20
91704	50	3.97
91705	450	5.44
91706	40	3.13
91707	10	2.41
91709	60	8.64

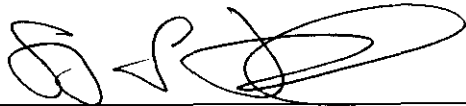
## 10.0 DISCUSSION AND CONCLUSIONS

During 1990, several mineralized occurrences of quartz and pyrite as well as chalcopyrite veining were drill tested over a distance of 800 metres. The vein system appears to be displaced by several faults along the strike at the zone. These offsets appear to be of varying distances from one occurrence to the next.

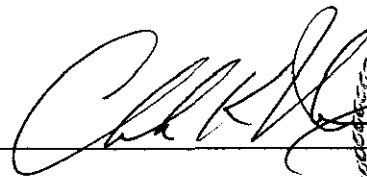
On surface, the veins appear to pinch and swell in nature and are generally narrow in width ranging from less than one centimeter to in excess of one

metre. Occasionally, more than one vein may occur in a parallel fashion. The drilling program encountered this same style of veining below mineralized exposures. Several narrow stringers were intersected subparallel to the main veins targeted. Gold values are only associated with well mineralized veins which as encountered in hole AC 90-09 produced values up to 0.602 ounces per ton gold across 0.50 metres.

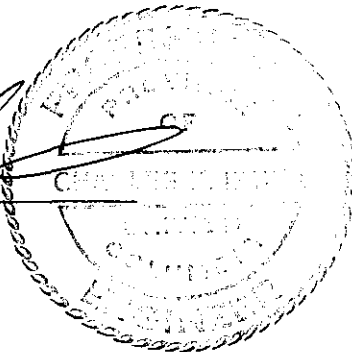
Respectfully submitted,



S.L. Todoruk, Geologist



C.K. Ikona, P.Eng.



**APPENDIX I**

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Mon 1 & 2, Wei & Zel, Stu 8 & 9 Mineral Claims.

**APPENDIX II**

**COST STATEMENT**



**COST STATEMENT**  
**COLLINS RESOURCES LTD.**  
**NEW 1, 5 & 6 MINERAL CLAIMS**  
**LIARD MINING DIVISION**  
**JULY 1, 1990 TO OCTOBER 31, 1990**

**WAGES**

Pre-Field Operations

S. Todoruk (Geologist) - 2 days @ \$400.00	\$	800.00
K. Milledge - 1 day @ \$250.00		250.00

Field Operations (August 16 to October 31, 1990)

Manager/Coordinator

K. Milledge - 3 days @ \$250.00	750.00
---------------------------------	--------

Geologists (Core Logging, Drill Location, Mapping)

S. Todoruk (Senior Geologist)	
- 5 days @ \$425.00	2,125.00
R. Darney (Senior Geologist)	
- 1.5 days @ \$425.00	637.50
R. Gerhardt (Field Geologist)	
- 15 days @ \$325.00	4,875.00
L. Vanzino (Field Geologist, Mountain Climber)	
- 3.5 days @ \$325.00	1,137.50

Prospectors

E. Debock - 2 days @ \$300.00	600.00
N. Debock - 2 days @ \$300.00	600.00
C. O'Brien - 2 days @ \$250.00	500.00

Samplers/Core Splitters

B. McAdam - 6 days @ \$225.00	1,350.00
K. Russell - 2 days @ \$225.00	450.00
G. Douglas - 1 day @ \$225.00	225.00
P. Hoffman - 6 days @ \$225.00	1,350.00

Surveyors (Drill Pads, Section Lines)

B. Lightle (Surveyor - 2.5 days @ \$250.00)	625.00
G. Douglas (Rod Man) - 1 day @ \$225.00	225.00
B. McAdam (Rod Man) - 1 day @ \$225.00	225.00
J. Elmore (Rod Man) - .5 day @ \$225.00	112.50

Pad Builders		
R. Pearson Construction - 4 days	2,322.00	
W. Wiggins (Pad Builder) - 4 days @ \$225.00	<u>900.00</u>	
Total Wages		\$ 21,934.50
Project Supervision		5,470.64

## CAMP AND EQUIPMENT EXPENSES

Room and Board		
Geology	25 days	
Prospecting	6 days	
Samplers	15 days	
Surveyors	5 days	
Pad Builders	8 days	
Drillers	20 days	
Helicopter Crew	<u>6 days</u>	
	87 days @ \$125.00	\$ 10,625.00
Field Equipment and Supplies	<u>1,987.50</u>	12,612.50

## GENERAL EXPENSES

Travel, Accommodation and Airfare	\$ 1,230.00	
Space Tel Communications	720.00	
Fixed Wing	828.90	
Helicopter	8,562.54	
Survey Equipment Rental	250.00	
Drill Material	929.53	
Drill Fuel	1,020.24	
Map Reproductions	305.04	
Drafting	1,280.50	
Photocopies, Report Materials, etc.	250.00	
Assays	6,657.00	
Drilling	34,831.09	
Report - Time Charges, Compilation, etc.	<u>1,875.00</u>	
		<u>58,864.34</u>
		98,881.98
Management Fee		<u>14,832.30</u>
TOTAL THIS PROGRAM		<u>\$113,714.28</u>

**APPENDIX III**

**ANALYTICAL PROCEDURES**

February 22, 1991

TO: Mr. Steve Todoruk  
PAMICON DEVELOPMENTS LTD.  
711 - 675 W. Hastings Street  
Vancouver, BC V6B 1N4

FROM: VANGEOCHEM LAB LIMITED  
1650 Pandora Street  
Vancouver, BC V5L 1L6

SUBJECT: Analytical procedure used to determine silver by fire assay method in geological samples.

1. Method of Sample Preparation

- (a) Geochemical soil, silt or rock samples were received at the laboratory in high wet-strength, 4" x 6", Kraft paper bags. Rock samples would be received in 8" x 12" plastic bags.
- (b) Dried soil and silt samples were sifted by hand using an 8" diameter, 80-mesh, stainless steel sieve. The plus 80-mesh fraction was rejected. The minus 80-mesh fraction was transferred into a new bag for subsequent analyses.
- (c) Dried rock samples were crushed using a jaw crusher and pulverized into 100-mesh or finer by using a disc mill. The pulverized samples were then put in the new bags for subsequent analyses.

2. Method of Digestion

- (a) 20.0 - 30.0 grams of the pulp samples were used. Samples were weighed out by using a top-loading balance into a fusion pot.
- (b) A flux of litharge, soda ash, silica, borax, either flour or potassium nitrite was added. The samples were thoroughly mixed and then fused at 1900 degrees Fahrenheit to form a lead button.
- (c) The silver was extracted by cupellation, weighed and parted with diluted nitric acid.

-2-

3. Method of Calculation

The silver was calculated by the weigh loss of the bead and then parts per million (ppm) was calculated.

4. Analysts

The analyses were supervised or determined by Mr. Conway Chun or Mr. Raymond Chan and the laboratory staff.



---

Raymond Chan  
VANGEOCHEM LAB LIMITED

March 19, 1991

TO: Mr. Al Montgomery  
PAMICON DEVELOPMENTS LTD.  
711 - 675 W. Hastings St.  
Vancouver, BC V6B 1N4

FROM: VANGEOCHEM LAB LIMITED  
1630 Pandora Street  
Vancouver, BC V5L 1L6

SUBJECT: Analytical procedure used to determine gold by fire assay method and detect by atomic absorption spectrophotometry in geological samples.

1. Method of Sample Preparation

- (a) Geochemical soil, silt or rock samples were received at the laboratory in high wet-strength, 4" x 6", Kraft paper bags. Rock samples would be received in poly ore bags.
- (b) Dried soil and silt samples were sifted by hand using an 8" diameter, 80-mesh, stainless steel sieve. The plus 80-mesh fraction was rejected. The minus 80-mesh fraction was transferred into a new bag for subsequent analyses.
- (c) Dried rock samples were crushed using a jaw crusher and pulverized to 100-mesh or finer by using a disc mill. The pulverized samples were then put in a new bag for subsequent analyses.

2. Method of Extraction

- (a) 20.0 to 30.0 grams of the pulp samples were used. Samples were weighed out using a top-loading balance and deposited into individual fusion pots.
- (b) A flux of litharge, soda ash, silica, borax, and, either flour or potassium nitrite is added. The samples are then fused at 1900 degrees Farenhiet to form a lead "button".

-2-

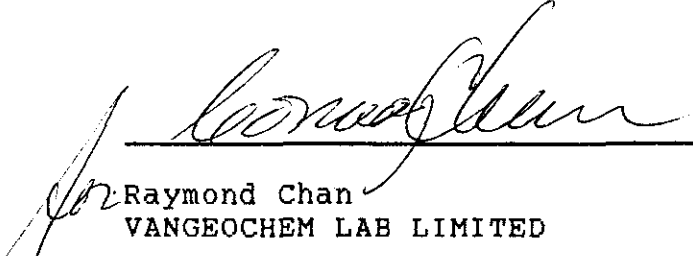
- (c) The gold is extracted by cupellation and parted with diluted nitric acid.
- (d) The gold beads are retained for subsequent measurement.

3. Method of Detection

- (a) The gold beads are dissolved by boiling with concentrated aqua regia solution in hot water bath.
- (b) The detection of gold was performed with a Techtron model AA5 Atomic Absorption Spectrophotometer with a gold hollow cathode lamp. The results were read out on a strip chart recorder. The gold values, in parts per billion, were calculated by comparing them with a set of known gold standards.

4. Analysts

The analyses were supervised or determined by Mr. Raymond Chan or Mr. Conway Chun and his laboratory staff.

  
\_\_\_\_\_  
Raymond Chan  
VANGEOCHEM LAB LIMITED

November 21, 1990

TO: Mr. Steve Todoruk  
PAMICON DEVELOPMENTS LTD.  
711 - 675 W. Hastings St.  
Vancouver, BC V6B 1N4

FROM: VANGEOCHEM LAB LIMITED  
1630 Pandora Street  
Vancouver, BC V5L 1L6

SUBJECT: Analytical procedure used to determine Aqua Regia  
soluble gold in geochemical samples.

1. Method of Sample Preparation

- (a) Geochemical soil, silt or rock samples were received at the laboratory in high wet-strength, 4" x 6", Kraft paper bags. Rock samples would be received in poly ore bags.
- (b) Dried soil and silt samples were sifted by hand using an 8" diameter, 80-mesh, stainless steel sieve. The plus 80-mesh fraction was rejected. The minus 80-mesh fraction was transferred into a new bag for subsequent analyses.
- (c) Dried rock samples were crushed using a jaw crusher and pulverized to 100-mesh or finer by using a disc mill. The pulverized samples were then put in a new bag for subsequent analyses.

2. Method of Digestion

- (a) 5.00 to 10.00 grams of the minus 80-mesh portion of the samples were used. Samples were weighed out using an electronic micro-balance and deposited into beakers.
- (b) Using a 20 ml solution of Aqua Regia (3:1 solution of HCl to HNO<sub>3</sub>), each sample was vigorously digested over a hot plate.
- (c) The digested samples were filtered and the washed pulps were discarded. The filtrate was then reduced in volume to about 5 ml.



-2-

(d) Au complex ions were then extracted into a di-isobutyl ketone and thiourea medium (Anion exchange liquids "Aliquot 336").

(e) Separatory funnels were used to separate the organic layer.

3. Method of Detection

The detection of Au was performed with a Techtron model AA5 Atomic Absorption Spectrophotometer with a gold hollow cathode lamp. The results were read out onto a strip chart recorder. A hydrogen lamp was used to correct any background interferences. The gold values, in parts per billion, were calculated by comparing them with a set of gold standards.

4. Analysts

The analyses were supervised or determined by Mr. Conway Chun or Mr. Raymond Chan and his laboratory staff.



---

Raymond Chan  
VANGEOCHEM LAB LIMITED

November 21, 1990

TO: Mr. Steve Todoruk  
PAMICON DEVELOPMENTS LTD.  
711 - 675 W. Hastings St.  
Vancouver, BC V6B 1N4

FROM: VANGEOCHEM LAB LIMITED  
1630 Pandora Street  
Vancouver, BC V5L 1L6

SUBJECT: Analytical procedure used to determine hot acid soluble  
for 25 element scan by Inductively Coupled Plasma  
Spectrophotometry in geochemical silt and soil samples.

1. Method of Sample Preparation

- (a) Geochemical soil, silt or rock samples were received at the laboratory in high wet-strength, 4" X 6", Kraft paper bags. Rock samples would be received in poly ore bags.
- (b) Dried soil and silt samples were sifted by hand using an 8" diameter, 80-mesh, stainless steel sieve. The plus 80-mesh fraction was rejected. The minus 80-mesh fraction was transferred into a new bag for subsequent analyses.
- (c) Dried rock samples were crushed using a jaw crusher and pulverized to 100-mesh or finer by using a disc mill. The pulverized samples were then put in a new bag for subsequent analyses.

2. Method of Digestion

- (a) 0.50 gram portions of the minus 80-mesh samples were used. Samples were weighed out using an electronic balance.
- (b) Samples were digested with a 5 ml solution of HCl:HNO<sub>3</sub>:H<sub>2</sub>O in the ratio of 3:1:2 in a 95 degree Celsius water bath for 90 minutes.
- (c) The digested samples are then removed from the bath and bulked up to 10 ml total volume with demineralized water and thoroughly mixed.

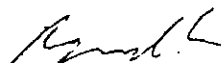
-2-

3. Method of Analyses

The ICP analyses elements were determined by using a Jarrell-Ash ICAP model 9000 directly reading the spectrophotometric emissions. All major matrix and trace elements are interelement corrected. All data are subsequently stored onto disketts.

4. Analysts

The analyses were supervised or determined by Mr. Conway Chun or Mr. Raymond Chan and his laboratory staff.



---

Raymond Chan  
VANGEOCHEM LAB LIMITED

February 22, 1991

TO: Mr. Steve Todoruk  
PAMICON DEVELOPMENTS LTD.  
711 - 675 W. Hastings Street  
Vancouver, BC V6B 1N4

FROM: VANGEOCHEM LAB LIMITED  
1650 Pandora Street  
Vancouver, BC V5L 1L6

SUBJECT: Analytical procedure used to determine Cu, Pb and Zn  
assay samples.

1. Method of Sample Preparation

- (a) Geochemical soil, silt or rock samples were received at the laboratory in high wet-strength, 4" x 6", Kraft paper bags. Rock samples would be received in poly ore bags.
- (b) Dried soil and silt samples were sifted by hand using an 8" diameter, 80-mesh, stainless steel sieve. The plus 80-mesh fraction was rejected. The minus 80-mesh fraction was transferred into a new bag for subsequent analyses.
- (c) Dried rock samples were crushed using a jaw crusher and pulverized to 100-mesh or finer by using a disc mill. The pulverized samples were then put in the new bags for subsequent analyses.

2. Method of Digestion

- (a) 0.200 gram portions of the minus 100 mesh samples were used. Samples were weighed out by using an analytical balance.
- (b) Samples were digested in multi acids in volumetric flasks.

-2-

3. Method of Analyses

Cu, Pb and Zn concentrations were determined using a Techtron Atomic Absorption Spectrophotometer Model AA5 with their respective hollow cathode lamps. The digested samples were directly aspirated into an air and acetylene mixture flame. The results, in parts per million, were calculated by comparing them to a set of standards used to calibrate the atomic absorption units.

4. Analysts

The analyses were supervised or determined by Mr. Conway Chun or Mr. Raymond Chan and their laboratory staff.



---

Raymond Chan  
VANGEOCHEM LAB LIMITED

**APPENDIX IV**

**ASSAY CERTIFICATES**

VANCOUVER B.C. VSL LLC  
(604) 251-5656

**VGC VANGEOCHEM LAB LIMITED**

MAIN OFFICE  
~~1808 TRIUMPH ST.~~  
VANCOUVER, B.C. V6L 4K5  
• (604) 251-5656  
• FAX (604) 254-5717

BRANCH OFFICES  
PASADENA, N.F.L.D.  
BATHURST, N.B.  
MISSISSAUGA, ONT.  
RENO, NEVADA, U.S.A.

**ASSAY ANALYTICAL REPORT**  
-----

CLIENT: PRIME EQUITIES INC.  
ADDRESS: 10th Flr 808 W. Hastings St.  
: Vancouver, BC  
: V6C 2X6

DATE: SEPT 20 1990

REPORT#: 900433 AA  
JOB#: 900433

PROJECT#: COLLINS  
SAMPLES ARRIVED: SEPT 10 1990  
REPORT COMPLETED: SEPT 20 1990  
ANALYSED FOR: Ag Au

INVOICE#: 900433 NA  
TOTAL SAMPLES: 111  
REJECTS/PULPS: 90 DAYS/1 YR  
SAMPLE TYPE: 111 CORE

SAMPLES FROM: MR. S. TODORUK - PANICON  
COPY SENT TO: PRIME EQUITIES INC.

PREPARED FOR: MR. JIM FOSTER

ANALYSED BY: Raymond Chan

SIGNED: \_\_\_\_\_

Registered Provincial Assayer

GENERAL REMARK: None

VANGEOCHEM LAB LIMITED  
 VANCOUVER, B.C. V6L 1K5  
 (604) 251-5656

# VGC VANGEOCHEM LAB LIMITED

MAIN OFFICE  
 1098 TRIUMPH ST.  
 VANCOUVER, B.C. V6L 1K5  
 ● (604) 251-5656  
 ● FAX (604) 254-5717

BRANCH OFFICES  
 PASADENA, N.F.L.D.  
 BATHURST, N.B.  
 MISSISSAUGA, ONT.  
 RENO, NEVADA, U.S.A.

REPORT NUMBER: 900433 AA

JOB NUMBER: 900433

PRIME SERVICES INC.

PAGE 1 OF 6

SAMPLE #	Ag oz/st	Au oz/st
95501	.01	<.005
95502	<.01	<.005
95503	.01	<.005
95504	<.01	<.005
95505	<.01	<.005
95506	<.01	<.005
95507	<.01	<.005
95508	.02	<.005
95509	<.01	<.005
95510	.01	<.005
95511	.02	<.005
95512	.02	<.005
95513	.01	<.005
95514	.02	<.005
95515	.04	<.005
95516	<.01	<.005
95517	.02	<.005
95518	<.01	<.005
95519	<.01	<.005
95520	.01	<.005

*WJTD  
(m)*

*07  
1.2  
1.5*

*AC90-1*

*✓  
0.9*

*1.0  
1.3  
1.3  
0.65  
1.0*

**DETECTION LIMIT**

1 Troy oz/short ton = 34.28 ppa

.01  
1 ppa = 0.00018

.005  
ppa = parts per million

< = less than

signed: \_\_\_\_\_

*[Signature]*



# VGC VANGEOCHEM LAB LIMITED

MAIN OFFICE  
1000 TRIUMPH ST.  
VANCOUVER, B.C. V6L 1K6  
• (604) 251-5656  
• FAX (604) 254-5717

BRANCH OFFICES  
PASADENA, N.F.L.D.  
BATHURST, N.B.  
MISSISSAUGA, ONT.  
RENO, NEVADA, U.S.A

REPORT NUMBER: 900433 LA      JOB NUMBER: 900433      PRIME ROUTINE INC.      PAGE 2 OF 6

SAMPLE #	Ag oz/st	Au oz/st	
95521	.02	<.005	1.5
95522	.03	<.005	1.0
95523	.03	<.005	1.0
95524	<.01	<.005	1.5
95525	.01	<.005	1.5
95526	.01	<.005	1.0
95527	<.01	<.005	1.5
95528	.01	<.005	1.5
95529	<.01	<.005	2.4
95530	.03	.010	
95531	<.01	<.005	1.5
95532	.03	<.005	
95533	<.01	<.005	
95534	.03	<.005	
95535	.04	<.005	
95536	.03	.006	
95537	.02	<.005	
95538	.01	<.005	
95539	<.01	<.005	
95540	.02	<.005	

AC90-1  
↑  
AC90-2

DETECTION LIMIT      .01      .005  
1 Troy oz/short ton = 34.28 ppm      1 ppm = 0.00010      ppm = parts per million      < = less than

signed: \_\_\_\_\_

# VGC VANGEOCHEM LAB LIMITED

MAIN OFFICE  
1088 TRIUMPH ST.  
VANCOUVER, B.C. V5L 1K5  
• (804) 251-5656  
• FAX (604) 254-5717

BRANCH OFFICES  
PASADENA, N.F.L.D.  
BATHURST, N.B.  
MISSISSAUGA, ONT.  
RENO, NEVADA, U.S.A.

REPORT NUMBER: 900433 AA

JOB NUMBER: 900433

PRIME EQUITIES INC.

PAGE 3 OF 6

SAMPLE #	Ag oz/st	Au oz/st
95541	<.01	<.005
95542	.02	<.005
95543	.01	<.005
95544	<.01	<.005
95545	<.01	<.005
95546	<.01	<.005
95547	<.01	<.005
95548	<.01	<.005
95549	<.01	<.005
95550	.02	<.005
95551	<.01	<.005
95552	<.01	<.005
95553	.03	<.005
95554	<.01	<.005
95555	<.01	<.005
95556	.02	<.005
95557	<.01	<.005
95558	.01	<.005
95559	<.01	<.005
95560	<.01	<.005

1.5m  
↓  
1.0  
1.0  
1.0  
1.0  
1.0  
1.0  
1.5  
↓

PC 90-2

**DETECTION LIMIT**

1 Troy oz/sbert ton = 34.28 ppm

.01  
1 ppm = 0.0001%

.005  
ppm = parts per million

< = less than

signed: \_\_\_\_\_

*[Signature]*

11. 01 VANCOUVER  
 VANCOUVER, BC V6L 1L6  
 (604) 251-5656

**VGC VANGEOCHEM LAB LIMITED**

**MAIN OFFICE**  
 1088 TRIUMPH ST.  
 VANCOUVER, B.C. V6L 1K5  
 • (604) 251-5656  
 • FAX (604) 254-5717

**BRANCH OFFICES**  
 PASADENA, NFLD.  
 BATHURST, N.B.  
 MISSISSAUGA, ONT.  
 RENO, NEVADA, U.S.A.

REPORT NUMBER: 900433 AA

JOB NUMBER: 900433

PRIME EQUITIES INC.

PAGE 4 OF 6

SAMPLE #	Ag oz/st	Au oz/st		
95561	.04	<.005	1.5	
95562	.02	<.005	1.5	AC 90-2
95563	.02	<.005	1.5	↑
95564	.01	<.005	1.5	
95565	<.01	<.005	3.0	AC 90-3
95566	.01	<.005	1.5 ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓	
95567	<.01	<.005		
95568	.01	<.005		
95569	<.01	<.005		
95570	.04	<.005		
95571	<.01	<.005		
95572	.04	<.005		
95573	<.01	<.005		
95574	<.01	<.005		
95575	.03	<.005		
95576	<.01	<.005		
95577	.02	<.005		
95578	<.01	<.005		
95579	.02	<.005		
95580	.01	<.005		

**DETECTION LIMIT**  
 1 Troy oz/short ton = 31.1035 ppa      1 ppa = 0.0001t      ppa = parts per million      < = less than

signed: \_\_\_\_\_  
*Ryan*

VANGEOCHEM LAB. VSL 114  
(604) 251-5656

# VGC VANGEOCHEM LAB LIMITED

MAIN OFFICE  
~~1008 TRIUMPH ST~~  
VANCOUVER, B.C. V6L 1K5  
• (604) 251-5656  
• FAX (604) 254-5717

BRANCH OFFICES  
PASADENA, N.F.L.O.  
BATHURST, N.B.  
MISSISSAUGA, ONT.  
RENO, NEVADA, U.S.A.

REPORT NUMBER: 900433 EA

JOB NUMBER: 900433

PRIME EQUITIES INC.

PAGE 5 OF 6

SAMPLE #	Ag oz/st	Au oz/st
95581	.01	<.005
95582	<.01	<.005
95583	<.01	<.005
95584	<.01	<.005
95585	<.01	<.005
95586	.04	<.005
95587	.02	<.005
95588	.01	<.005
95589	<.01	<.005
95590	<.01	<.005
95591	<.01	<.005
95592	.01	<.005
95593	<.01	<.005
95594	.04	<.005
95595	.04	<.005
95596	.02	<.005
95597	<.01	<.005
95598	<.01	<.005
95599	.01	<.005
95600	<.01	<.005

1.5  
↓

**DETECTION LIMIT**

1 Troy oz/short ton = 34.28 ppa

.01

1 ppa = 0.00012

.005

ppa = parts per billion

signed: \_\_\_\_\_



VANGOCHEM LAB. LTD.  
(604) 251-5656

# VGC VANGEOCHEM LAB LIMITED

MAIN OFFICE  
1088 TRIUMPH ST.  
VANCOUVER, B.C. V6L 1K5  
• (604) 251-5656  
• FAX (604) 254-5717

BRANCH OFFICES  
PASADENA, N.F.L.D.  
BATHURST, N.B.  
MISSISSAUGA, ONT.  
RENO, NEVADA, U.S.A.

REPORT NUMBER: 900433 LA

JOB NUMBER: 900433

PRIME EQUITIES INC.

PAGE 6 OF 6

SAMPLE #	Ag oz/st	Au oz/st	
95601	.01	<.005	1.5m
95602	.02	<.005	↓ 1.0
95603	.02	<.005	
95604	<.01	<.005	
95605	<.01	<.005	
95606	.04	<.005	
95607	.03	<.005	↓
95608	.04	<.005	
95609	<.01	<.005	
95610	<.01	<.005	
95611	<.01	<.005	2.5

**DETECTION LIMIT**

1 Troy oz/short ton = 34.28 ppm

.01

1 ppm = 0.0001%

.005

ppm = parts per million

< = less than

signed: \_\_\_\_\_

*[Handwritten Signature]*

VALEO LIMITED

1630 Pandora Street, Vancouver, B.C. V5L 1L6  
 Ph: (604) 251-5656 Fax: (604) 254-5717

ICAP GEOCHEMICAL ANALYSIS

A .5 gram sample is digested with 5 ml of 3:1:2 HCl to HNO<sub>3</sub> to H<sub>2</sub>O at 95 °C for 90 minutes and is diluted to 10 ml with water.  
 This leach is partial for Al, Ba, Ca, Cr, Fe, K, Mg, Mn, Na, P, Sn, Sr and W.

ANALYST: *Royall*

REPORT #: 900433 PA

PRIME EQUITIES LTD.

PROJECT: COLLINS

DATE IN: SEPT 10 1990

DATE OUT: OCT 09 1990

ATTENTION: MR. JIM FOSTER

PAGE 3 OF 3

Sample Name	Ag	Al	As	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sn	Sr	U	W	Zn
	ppm	I	ppm	ppm	ppm	I	ppm	ppm	ppm	ppm	I	I	I	ppm	ppm	I	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
95579	0.2	0.27	<3	33	<3	1.04	1.3	4	64	69	1.40	0.10	0.50	471	9	0.02	15	0.01	15	3	2	12	<5	<3	20
95580	0.1	0.35	<3	22	<3	0.60	0.9	3	162	249	1.47	0.07	0.35	374	9	0.03	209	0.01	<2	<2	2	10	<5	<3	24
95581	<0.1	0.28	<3	27	<3	1.09	<0.1	1	56	9	1.33	0.11	0.52	504	7	0.03	12	0.01	6	6	2	15	<5	<3	13
95582	<0.1	0.39	<3	25	<3	1.01	0.9	2	162	17	1.57	0.11	0.45	532	9	0.03	196	0.01	<2	2	4	14	<5	<3	12
95583	<0.1	0.31	<3	16	<3	1.28	1.3	2	146	10	1.59	0.12	0.57	702	7	0.03	156	0.01	<2	4	2	14	<5	<3	12
95584	<0.1	0.26	<3	15	<3	0.71	1.2	2	61	4	1.16	0.08	0.45	380	7	0.03	12	0.01	<2	6	<2	11	<5	<3	11
95585	<0.1	0.27	<3	63	<3	0.87	1.0	3	139	13	1.61	0.09	0.56	437	9	0.03	146	0.01	<2	3	2	13	<5	<3	15
95586	<0.1	0.29	<3	150	<3	0.75	1.1	2	54	7	1.50	0.09	0.52	421	15	0.03	9	0.01	<2	4	<2	15	<5	<3	15
95587	<0.1	0.42	<3	206	<3	0.57	0.8	3	184	18	2.21	0.08	0.44	406	12	0.05	197	0.01	<2	5	3	17	<5	<3	15
95588	<0.1	0.20	<3	16	<3	1.50	1.1	2	48	4	1.46	0.12	0.71	656	7	0.03	11	0.01	<2	8	2	16	<5	<3	12
95589	<0.1	0.34	<3	57	<3	1.42	<0.1	2	148	15	2.00	0.12	0.65	612	9	0.04	153	<0.01	<2	3	2	19	<5	<3	13
95590	<0.1	0.35	<3	19	<3	0.60	<0.1	<1	61	3	0.80	0.06	0.35	302	8	0.02	10	0.01	<2	3	<2	11	<5	<3	11
95591	<0.1	0.32	<3	29	<3	0.45	<0.1	2	110	10	1.02	0.06	0.33	364	4	0.03	11	0.01	<2	6	<2	10	<5	<3	14
95592	<0.1	0.25	<3	42	<3	1.20	1.7	2	132	7	1.48	0.11	0.58	528	7	0.03	136	<0.01	<2	6	3	18	<5	<3	14
95593	1.7	0.26	<3	34	<3	1.13	1.4	2	88	9	1.32	0.10	0.57	534	10	0.03	12	<0.01	260	7	2	15	<5	<3	25
95594	<0.1	0.26	<3	16	<3	0.81	<0.1	2	56	6	1.14	0.09	0.45	413	7	0.03	13	<0.01	<2	4	<2	13	<5	<3	14
95595	0.1	0.27	<3	31	<3	0.50	<0.1	2	111	5	1.29	0.07	0.38	339	5	0.03	12	<0.01	<2	8	<2	10	<5	<3	13
95596	<0.1	0.23	<3	177	<3	0.83	1.3	3	131	8	1.70	0.10	0.52	430	9	0.04	145	0.01	5	7	3	20	<5	<3	17
95597	0.2	0.23	<3	100	<3	0.61	<0.1	2	76	4	1.34	0.07	0.41	361	3	0.03	10	<0.01	<2	7	<2	14	<5	<3	14
95598	<0.1	0.23	<3	50	<3	0.89	1.6	3	56	5	1.35	0.10	0.49	477	8	0.03	14	0.01	13	11	<2	16	<5	<3	13
95599	0.3	0.26	<3	88	<3	1.04	<0.1	3	113	5	1.49	0.11	0.55	538	5	0.03	18	<0.01	13	6	3	20	<5	<3	14
95600	<0.1	0.31	<3	179	<3	1.15	1.6	3	161	9	1.56	0.12	0.54	502	9	0.04	176	<0.01	<2	7	2	24	<5	<3	13
95601	0.5	0.26	<3	382	<3	1.92	1.5	3	53	3	1.46	0.16	0.81	702	7	0.02	17	0.01	<2	9	3	37	<5	<3	14
95602	0.2	0.29	<3	96	<3	1.94	<0.1	2	85	4	1.55	0.15	0.87	964	3	0.03	15	0.01	<2	3	2	28	<5	<3	19
95603	<0.1	0.33	<3	155	<3	0.66	<0.1	3	138	11	1.63	0.08	0.38	394	7	0.03	163	0.01	<2	5	3	22	<5	<3	13
95604	<0.1	0.28	<3	22	<3	1.48	<0.1	1	115	4	1.23	0.12	0.69	799	2	0.03	14	0.01	<2	6	2	21	<5	<3	16
95605	<0.1	0.24	<3	94	<3	2.69	2.3	2	50	3	1.71	0.17	1.08	930	7	0.03	18	0.01	<2	6	3	33	<5	<3	17
95606	<0.1	0.25	5	25	<3	1.44	0.1	1	101	3	1.07	0.11	0.64	566	3	0.03	19	0.02	4	8	4	21	<5	<3	12
95607	0.1	0.27	5	136	<3	0.39	0.6	3	82	5	0.77	0.05	0.25	214	6	0.03	15	0.02	<2	8	<2	17	<5	<3	8
95608	<0.1	0.27	3	250	<3	0.80	0.4	3	102	3	1.08	0.08	0.40	333	5	0.04	19	0.02	<2	11	3	30	<5	<3	12
95609	<0.1	0.24	8	57	<3	0.57	0.5	2	111	3	0.88	0.06	0.32	260	2	0.04	19	0.01	<2	11	<2	15	<5	<3	10
95610	<0.1	0.25	<3	23	<3	1.73	1.8	3	90	3	1.65	0.14	0.76	680	4	0.04	15	0.01	<2	10	3	22	<5	<3	17
95611	<0.1	0.25	<3	218	<3	1.48	2.0	2	102	4	1.43	0.12	0.69	645	4	0.03	19	0.01	<2	9	3	28	<5	<3	14

Minimum Detection 0.1 0.01 3 1 3 0.01 0.1 1 1 1 0.01 0.01 0.01 1 1 0.01 1 0.01 2 2 2 1 5 3 1  
 Maximum Detection 50.0 10.00 2000 1000 1000 10.00 1000.0 20000 1000 20000 10.00 10.00 10.00 20000 1000 10.00 20000 10.00 20000 2000 1000 10000 100 1000 20000  
 (- Less Than Minimum) - Greater Than Maximum is - Insufficient Sample ns - No Sample ANOMALOUS RESULTS - Further Analyses By Alternate Methods Suggested.

01/02/91

11:54

UIC

NO. 612

P004/010

1630 Pandora Street, Vancouver, B.C. V5L 1L6  
 Ph:(604)251-9636 Fax:(604)254-5717

ICAP GEOCHEMICAL ANALYSIS

A .5 gram sample is digested with 5 ml of 3:1:2 HCl to HNO<sub>3</sub> to H<sub>2</sub>O at 95 °C for 90 minutes and is diluted to 10 ml with water.  
 This leach is partial for Al, Ba, Ca, Cr, Fe, K, Mg, Mn, Na, P, Sn, Sr and W.

ANALYST: *Raymond*

REPORT #:	PRIME EQUITIES LTD.	PROJECT:	DATE IN:	DATE OUT:	ATTENTION:	PAGE	900433 PA		COLLINS	SEPT 10 1990	OCT 09 1990	MR. JIM FOSTER	2 OF 3	Sample Name	Ag	Al	As	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sn	Sr	U	W	Zn		ppm	I	ppm	ppm	ppm	I	ppm	ppm	ppm	ppm	I	I	I	ppm	ppm	I	ppm	I	ppm	ppm	ppm	ppm	ppm	ppm	ppm
900433 PA		COLLINS	SEPT 10 1990	OCT 09 1990	MR. JIM FOSTER	2 OF 3																																																											
Sample Name	Ag	Al	As	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sn	Sr	U	W	Zn																																								
	ppm	I	ppm	ppm	ppm	I	ppm	ppm	ppm	ppm	I	I	I	ppm	ppm	I	ppm	I	ppm	ppm	ppm	ppm	ppm	ppm	ppm																																								
95501	<0.1	0.31	<3	52	<3	0.43	<0.1	2	42	4	1.27	0.04	0.24	311	4	0.03	14	<0.01	6	7	2	7	<5	<3	12																																								
95502	<0.1	0.40	<3	185	<3	0.48	0.2	3	124	10	1.99	0.07	0.32	396	11	0.03	199	<0.01	<2	8	3	11	<5	<3	13																																								
95503	0.2	0.32	<3	192	<3	0.63	<0.1	1	54	2	1.28	0.08	0.39	332	6	0.03	13	<0.01	9	9	<2	12	<5	<3	10																																								
95504	<0.1	0.29	<3	88	<3	0.71	0.5	3	110	12	2.26	0.09	0.32	479	9	0.03	176	0.01	<2	8	2	9	<5	<3	11																																								
95505	<0.1	0.35	<3	179	<3	0.61	<0.1	<1	48	2	1.32	0.07	0.39	346	3	0.03	10	<0.01	<2	3	<2	12	<5	<3	11																																								
95506	<0.1	0.32	<3	82	<3	0.67	<0.1	<1	101	6	1.64	0.07	0.39	386	6	0.03	170	0.01	<2	<2	<2	10	<5	<3	9																																								
95507	<0.1	0.27	<3	23	<3	0.67	<0.1	<1	49	1	1.31	0.07	0.37	349	4	0.02	12	<0.01	<2	5	<2	9	<5	<3	9																																								
95508	<0.1	0.27	<3	49	<3	0.58	0.8	1	119	6	1.54	0.06	0.31	321	9	0.02	186	<0.01	<2	6	<2	9	<5	<3	8																																								
95509	<0.1	0.28	<3	71	<3	0.94	0.6	1	43	1	1.55	0.08	0.47	446	5	0.02	14	0.01	<2	6	2	14	<5	<3	11																																								
95510	<0.1	0.24	<3	15	<3	1.34	0.6	1	98	4	1.51	0.10	0.53	543	6	0.02	160	<0.01	<2	4	<2	15	<5	<3	9																																								
95511	<0.1	0.27	<3	127	<3	0.93	0.7	2	48	2	1.44	0.09	0.49	400	5	0.02	13	0.01	<2	5	3	14	<5	<3	9																																								
95512	<0.1	0.22	<3	183	<3	0.66	1.0	2	119	9	1.85	0.08	0.41	347	9	0.02	202	<0.01	<2	5	<2	13	<5	<3	12																																								
95513	<0.1	0.25	<3	36	<3	0.82	0.8	1	53	2	1.21	0.08	0.41	344	4	0.03	17	<0.01	<2	6	4	13	<5	<3	8																																								
95514	<0.1	0.32	<3	20	<3	0.73	0.2	2	134	122	2.16	0.09	0.43	814	8	0.03	227	<0.01	<2	6	3	11	<5	<3	15																																								
95515	<0.1	0.26	<3	36	<3	1.90	0.8	2	62	317	1.86	0.15	0.78	1251	7	0.02	20	<0.01	<2	5	2	17	<5	<3	15																																								
95516	<0.1	0.28	<3	22	<3	0.79	0.6	2	129	17	1.40	0.09	0.36	584	9	0.02	224	0.01	<2	4	<2	12	<5	<3	8																																								
95517	<0.1	0.31	<3	34	<3	1.03	<0.1	1	62	12	1.17	0.10	0.46	633	7	0.03	23	<0.01	<2	8	<2	14	<5	<3	11																																								
95518	1.8	0.21	<3	16	<3	1.21	2.5	<3	187	276	7.91	0.23	0.42	1119	19	0.02	254	<0.01	<2	22	6	13	<5	<3	19																																								
95519	0.3	0.32	<3	53	<3	0.92	0.4	4	58	82	1.63	0.11	0.37	1290	6	0.01	23	<0.01	<2	11	2	13	<5	<3	14																																								
95520	<0.1	0.28	<3	27	<3	1.42	0.5	3	115	385	1.88	0.14	0.57	1703	9	0.02	219	<0.01	<2	7	<2	15	<5	<3	19																																								
95521	<0.1	0.24	<3	20	<3	0.93	<0.1	<1	53	15	1.24	0.09	0.44	775	6	0.02	23	0.01	<2	6	<2	12	<5	<3	16																																								
95522	<0.1	0.27	<3	29	<3	1.15	<0.1	2	138	35	1.64	0.12	0.50	987	9	0.02	227	0.01	<2	7	3	14	<5	<3	15																																								
95523	<0.1	0.24	<3	53	<3	1.98	0.5	4	47	461	2.32	0.15	0.80	2262	5	0.02	27	<0.01	<2	9	3	22	<5	<3	22																																								
95524	<0.1	0.93	<3	33	<3	0.61	1.1	5	109	12	3.37	0.12	1.02	689	12	0.04	166	0.02	<2	5	5	13	<5	<3	47																																								
95525	<0.1	0.23	<3	39	<3	0.97	<0.1	1	43	3	1.36	0.10	0.55	587	6	0.02	23	<0.01	<2	9	2	14	<5	<3	13																																								
95526	<0.1	0.27	<3	42	<3	1.00	<0.1	3	115	11	1.53	0.11	0.53	803	9	0.03	170	0.01	<2	6	3	17	<5	<3	13																																								
95527	<0.1	0.30	<3	105	<3	0.87	<0.1	2	49	84	1.28	0.09	0.55	531	6	0.03	27	0.01	7	8	2	18	<5	<3	12																																								
95528	<0.1	0.23	<3	195	<3	0.99	0.2	2	112	10	1.42	0.09	0.52	556	8	0.02	195	0.01	<2	8	<2	19	<5	<3	10																																								
95529	<0.1	0.59	<3	292	<3	0.81	0.6	3	45	2	2.33	0.11	0.93	474	6	0.03	30	0.01	<2	5	3	24	<5	<3	27																																								
95530	<0.1	0.29	<3	43	<3	0.79	<0.1	3	128	8	1.75	0.09	0.34	451	9	0.03	203	0.01	<2	5	2	12	<5	<3	13																																								
95531	<0.1	0.22	<3	180	<3	1.02	<0.1	2	40	2	1.51	0.09	0.37	486	4	0.03	29	<0.01	<2	7	3	14	<5	<3	11																																								
95532	<0.1	0.22	<3	523	<3	0.46	<0.1	2	119	6	1.87	0.06	0.33	352	9	0.03	200	0.01	<2	9	3	20	<5	<3	12																																								
95533	<0.1	0.22	<3	144	<3	0.47	0.2	3	49	3	1.47	0.06	0.28	356	6	0.03	30	0.01	<2	10	2	10	<5	<3	11																																								
95534	<0.1	0.21	<3	58	<3	0.58	<0.1	3	135	7	1.82	0.08	0.24	408	12	0.03	215	<0.01	<2	7	3	8	<5	<3	9																																								
95535	<0.1	0.20	<3	118	<3	1.11	<0.1	3	51	2	1.68	0.11	0.46	493	7	0.03	32	<0.01	11	11	3	15	<5	<3	11																																								
95536	<0.1	0.22	<3	15	<3	0.60	<0.1	2	144	6	1.23	0.06	0.29	312	10	0.03	230	<0.01	<2	7	2	8	<5	<3	6																																								
95537	<0.1	0.47	<3	22	<3	1.97	0.1	2	51	4	1.97	0.16	0.76	696	7	0.03	41	0.02	<2	4	3	22	<5	<3	25																																								
95538	<0.1	0.25	<3	35	<3	0.52	<0.1	3	128	6	1.84	0.07	0.39	394	9	0.03	207	0.02	<2	8	2	10	<5	<3	12																																								
95539	<0.1	0.26	<3	134	<3	0.61	<0.1	3	50	2	1.77	0.08	0.48	395	6	0.03	36	0.01	<2	8	3	14	<5	<3	16																																								

Minimum Detection 0.1 0.01 3 1 3 0.01 0.1 1 1 1 0.01 0.01 0.01 1 1 0.01 1 0.01 2 2 2 1 5 3 1  
 Maximum Detection 50.0 10.00 2000 1000 1000 10.00 1000.0 20000 1000 20000 10.00 10.00 10.00 20000 1000 10.00 20000 10.00 20000 2000 1000 10000 100 1000 20000  
 (- Less Than Minimum) - Greater Than Maximum is - Insufficient Sample as - No Sample ANOMALOUS RESULTS - Further Analyses By Alternate Methods Suggested.

01/02/91 11:52 UBC NO. 612 P003/010

VANCOUVER LABORATORY

1630 Pandora Street, Vancouver, B.C. V5L 1L6  
 Ph:(604)251-5656 Fax:(604)254-5717

ICAP GEOCHEMICAL ANALYSIS

A .5 gram sample is digested with 5 ml of 3:1:2 HCl to HNO<sub>3</sub> to H<sub>2</sub>O at 95 °C for 90 minutes and is diluted to 10 ml with water.  
 This leach is partial for Al, Ba, Ca, Cr, Fe, K, Mg, Mn, Na, P, Sn, Sr and W.

ANALYST: *Ryall*

REPORT #: 900433 PA

PRIME EQUITIES LTD.

PROJECT: COLLINS

DATE IN: SEPT 10 1990

DATE OUT: OCT 09 1990

ATTENTION: MR. JIM FOSTER

PAGE 1 OF 3

Sample Name	Ag	Al	As	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sn	Sr	U	W	Zn
	ppm	μ	ppm	ppm	ppm	μ	ppm	ppm	ppm	ppm	μ	μ	μ	ppm	ppm	μ	ppm	μ	ppm	ppm	ppm	ppm	ppm	ppm	ppm
95501	<0.1	0.31	<3	52	<3	0.43	<0.1	2	42	4	1.27	0.04	0.24	311	4	0.03	14	<0.01	6	7	2	7	<5	<3	12
95502	<0.1	0.40	<3	185	<3	0.48	0.2	3	124	10	1.99	0.07	0.32	396	11	0.03	199	<0.01	<2	8	3	11	<5	<3	13
95503	0.2	0.32	<3	192	<3	0.63	<0.1	1	54	2	1.28	0.08	0.39	332	6	0.03	13	<0.01	9	9	<2	12	<5	<3	10
95504	<0.1	0.29	<3	88	<3	0.71	0.5	3	110	12	2.26	0.09	0.32	479	9	0.03	176	0.01	<2	8	2	9	<5	<3	11
95505	<0.1	0.35	<3	179	<3	0.61	<0.1	<1	48	2	1.32	0.07	0.39	346	3	0.03	10	<0.01	<2	3	<2	12	<5	<3	11
95506	<0.1	0.32	<3	82	<3	0.67	<0.1	<1	101	6	1.64	0.07	0.39	386	6	0.03	170	0.01	<2	<2	<2	10	<5	<3	9
95507	<0.1	0.27	<3	23	<3	0.67	<0.1	<1	49	1	1.31	0.07	0.37	349	4	0.02	12	<0.01	<2	5	<2	9	<5	<3	9
95508	<0.1	0.27	<3	49	<3	0.58	0.8	1	119	6	1.54	0.06	0.31	321	9	0.02	186	<0.01	<2	6	<2	9	<5	<3	8
95509	<0.1	0.28	<3	71	<3	0.94	0.6	1	43	1	1.55	0.08	0.47	446	5	0.02	14	0.01	<2	6	2	14	<5	<3	21
95510	<0.1	0.24	<3	15	<3	1.34	0.6	1	98	4	1.51	0.10	0.53	543	6	0.02	160	<0.01	<2	4	<2	15	<5	<3	9
95511	<0.1	0.27	<3	127	<3	0.93	0.7	2	48	2	1.44	0.09	0.49	400	5	0.02	13	0.01	<2	5	3	14	<5	<3	9
95512	<0.1	0.22	<3	183	<3	0.66	1.0	2	119	9	1.85	0.08	0.41	347	9	0.02	202	<0.01	<2	5	<2	13	<5	<3	12
95513	<0.1	0.25	<3	36	<3	0.82	0.8	1	53	2	1.21	0.08	0.41	344	4	0.03	17	<0.01	<2	6	<2	13	<5	<3	8
95514	<0.1	0.32	<3	20	<3	0.73	0.2	2	134	122	2.16	0.09	0.43	814	8	0.03	227	<0.01	<2	6	3	11	<5	<3	15
95515	<0.1	0.26	<3	36	<3	1.90	0.8	2	62	317	1.86	0.15	0.78	1251	7	0.02	20	<0.01	<2	5	2	17	<5	<3	15
95516	<0.1	0.28	<3	22	<3	0.79	0.6	2	129	17	1.40	0.09	0.36	584	9	0.02	224	0.01	<2	4	<2	12	<5	<3	8
95517	<0.1	0.31	<3	34	<3	1.03	<0.1	1	62	12	1.17	0.10	0.46	633	7	0.03	23	<0.01	<2	8	<2	14	<5	<3	11
95518	1.8	0.21	<3	16	<3	1.21	2.5	43	187	276	7.91	0.23	0.42	1119	19	0.02	254	<0.01	<2	22	6	13	<5	<3	19
95519	0.3	0.32	<3	53	<3	0.92	0.4	4	58	82	1.63	0.11	0.37	1290	6	0.01	23	<0.01	<2	11	2	13	<5	<3	14
95520	<0.1	0.28	<3	27	<3	1.42	0.5	3	115	385	1.88	0.14	0.57	1703	9	0.02	219	<0.01	<2	7	<2	15	<5	<3	19
95521	<0.1	0.24	<3	20	<3	0.93	<0.1	<1	53	15	1.24	0.09	0.44	775	6	0.02	23	0.01	<2	6	<2	12	<5	<3	16
95522	<0.1	0.27	<3	29	<3	1.15	<0.1	2	138	35	1.64	0.12	0.50	987	9	0.02	227	0.01	<2	7	3	14	<5	<3	15
95523	<0.1	0.24	<3	53	<3	1.98	0.5	4	47	461	2.32	0.15	0.82	2262	5	0.02	27	<0.01	<2	9	3	22	<5	<3	22
95524	<0.1	0.93	<3	33	<3	0.61	1.1	5	109	12	3.37	0.12	1.00	689	12	0.04	166	0.02	<2	<2	5	13	<5	<3	47
95525	<0.1	0.23	<3	39	<3	0.97	<0.1	1	43	3	1.36	0.10	0.55	587	6	0.02	23	<0.01	<2	9	2	14	<5	<3	13
95526	<0.1	0.27	<3	42	<3	1.00	<0.1	3	115	11	1.53	0.11	0.53	803	9	0.03	170	0.01	<2	6	3	17	<5	<3	13
95527	<0.1	0.30	<3	105	<3	0.87	<0.1	2	49	84	1.28	0.09	0.55	531	6	0.03	27	0.01	7	8	2	18	<5	<3	12
95528	<0.1	0.23	<3	195	<3	0.99	0.2	2	112	10	1.42	0.09	0.52	556	8	0.02	195	0.01	<2	8	<2	19	<5	<3	10
95529	<0.1	0.59	<3	292	<3	0.81	0.6	3	45	2	2.33	0.11	0.93	474	6	0.03	30	0.01	<2	5	3	24	<5	<3	27
95530	<0.1	0.29	<3	43	<3	0.79	<0.1	3	128	8	1.75	0.09	0.34	451	9	0.03	283	0.01	<2	5	2	12	<5	<3	13
95531	<0.1	0.22	<3	180	<3	1.02	<0.1	2	40	2	1.51	0.09	0.37	486	4	0.03	29	<0.01	<2	7	3	14	<5	<3	11
95532	<0.1	0.22	<3	523	<3	0.46	<0.1	2	119	6	1.87	0.06	0.33	352	9	0.03	200	0.01	<2	9	3	20	<5	<3	12
95533	<0.1	0.22	<3	144	<3	0.47	0.2	3	49	3	1.47	0.06	0.28	356	6	0.03	30	0.01	<2	10	2	10	<5	<3	11
95534	<0.1	0.21	<3	58	<3	0.58	<0.1	3	135	7	1.82	0.08	0.24	408	12	0.03	215	<0.01	<2	7	3	8	<5	<3	9
95535	<0.1	0.20	<3	118	<3	1.11	<0.1	3	51	2	1.68	0.11	0.46	493	7	0.03	32	<0.01	11	11	3	15	<5	<3	11
95536	<0.1	0.22	<3	15	<3	0.60	<0.1	2	144	6	1.23	0.06	0.29	312	10	0.03	230	<0.01	<2	7	2	8	<5	<3	6
95537	<0.1	0.47	<3	22	<3	1.97	0.1	2	51	4	1.97	0.16	0.76	696	7	0.03	41	0.02	<2	4	3	22	<5	<3	25
95538	<0.1	0.25	<3	35	<3	0.52	<0.1	3	128	6	1.84	0.07	0.39	394	9	0.03	207	0.02	<2	8	2	10	<5	<3	12
95539	<0.1	0.26	<3	134	<3	0.61	<0.1	3	50	2	1.77	0.08	0.48	395	6	0.03	36	0.01	<2	8	3	14	<5	<3	16

Minimum Detection 0.1 0.01 3 1 3 0.01 0.1 1 1 1 1 0.01 0.01 0.01 1 1 0.01 1 0.01 2 2 2 1 5 3 1  
 Maximum Detection 50.0 10.00 2000 1000 1000 10.00 1000.0 20000 1000 20000 10.00 10.00 10.00 20000 1000 10.00 20000 10.00 20000 2000 1000 10000 100 1000 20000  
 (- Less Than Minimum) - Greater Than Maximum is - Insufficient Sample as - No Sample ANOMALOUS RESULTS - Further Analyses By Alternate Methods Suggested.

01/02/91 11:51 UEC NO. 612 P002/010





MAIN OFFICE  
1830 PANDORA STREET  
VANCOUVER, B.C.  
V5L 1L6  
TEL (604) 251-8856  
FAX (604) 254-6717

BRANCH OFFICES  
BATHURST, N.B.  
RENO, NEVADA, U.S.A.

**ASSAY ANALYTICAL REPORT**

CLIENT: PRIME EQUITIES INC.  
ADDRESS: 10th Flr 808 W. Hastings St.  
: Vancouver, BC  
: V6C 2X6

DATE: SEPT 27 1990

REPORT#: 900489 AA  
JOB#: 900489

PROJECT#: COLLINS  
SAMPLES ARRIVED: SEPT 17 1990  
REPORT COMPLETED: SEPT 27 1990  
ANALYSED FOR: Ag Au

INVOICE#: 900489 NA  
TOTAL SAMPLES: 72  
REJECTS/PULPS: 90 DAYS/1 YR  
SAMPLE TYPE: 72 CORE

SAMPLES FROM: BRONSON CAMP - PAMICON DEVELOPMENTS  
COPY SENT TO: PRIME EQUITIES INC.

PREPARED FOR: MR. JIM FOSTER

ANALYSED BY: Raymond Chan

SIGNED: \_\_\_\_\_

Registered Provincial Assayer

GENERAL REMARK: None

# VGC VANGEOCHEM LAB LIMITED

MAIN OFFICE  
1630 PANDORA STREET  
VANCOUVER, B.C.  
V5L 1L6  
TEL (604) 251-5658  
FAX (604) 254-6717

BRANCH OFFICES  
BATHURST, N.B.  
RENO, NEVADA, U.S.A.

REPORT NUMBER: 900489 A1

JOB NUMBER: 900489

PRIME EQUITIES INC.

PAGE 1 OF 1

SAMPLE #	Ag oz/st	Au oz/st
95612	.01	<.005
95613	.02	<.005
95614	.02	<.005
95615	<.01	<.005
95616	.02	.010
95617	.03	.012
95618	.03	.024
95619	.03	.014
95620	.02	.010
95621	<.01	<.005
95622	<.01	<.005
95623	<.01	<.005
95624	.03	<.005
95625	.02	<.005
95626	<.01	<.005
95627	.02	<.005
95628	<.01	<.005
95629	<.01	<.005
95630	.03	.010
95631	.04	<.005

90-07

**DETECTION LIMIT**

1 Troy oz/short ton = 34.28 ppm

.01

1 ppm = 0.00011

.005

ppm = parts per million

< = less than

signed: \_\_\_\_\_

# UGC VANGEOCHEM LAB LIMITED

MAIN OFFICE  
1630 PANDORA STREET  
VANCOUVER, B.C.  
V6L 1L6  
TEL (604) 251-5856  
FAX (604) 254-5717

BRANCH OFFICES  
BATHURST, N.B.  
RENO, NEVADA, U.S.A.

REPORT NUMBER: 900409 AA

JOB NUMBER: 900409

PRIME EXPLORATIONS INC.

PAGE 2 OF 4

SAMPLE #	Ag oz/st	Au oz/st
95632	.01	<.005
95633	<.01	<.005
95634	<.01	<.005
95635	.02	<.005
95636	<.01	<.005
95637	.03	<.005
95638	<.01	<.005
95639	<.01	<.005
95640	.02	<.005
95641	<.01	<.005
95642	.03	<del>.010</del>
95643	<.01	<.005
95644	.02	<.005
95645	<.01	<.005
95646	.04	<.005
95647	<.01	<.005
95648	.02	<.005
95649	.02	<.005
95650	.01	<.005
95651	.02	<.005

90-05

**DETECTION LIMIT**


1 Troy oz/short ton = 31.10 ppm

.01  
1 ppm = 0.0001%

.005  
ppm = parts per million

< = less than

signed: \_\_\_\_\_



# VGC VANGEOCHEM LAB LIMITED

MAIN OFFICE  
1830 PANDORA STREET  
VANCOUVER, B.C.  
V8L 1L6  
TEL (604) 251-6858  
FAX (604) 254-5717

BRANCH OFFICES  
BATHURST, N.B.  
RENO, NEVADA, U.S.A.

REPORT NUMBER: 900419 AA

JOB NUMBER: 908489

PRIME EQUITIES INC.

PAGE 3 OF 4

SAMPLE #	Ag oz/st	Au oz/st
95652	.02	<.005
95653	.01	<.005
95654	.02	<.005
95655	.03	<del>.008</del>
95656	.01	<.005
95657	<.01	<.005
95658	<.01	<.005
95659	<.01	<.005
95660	.02	<.005
95661	<.01	<.005
95662	.02	<.005
95663	.04	<del>.006</del>
95664	.02	<.005
95665	.04	<del>.010</del>
95666	<.01	<.005
95667	.01	<.005
95668	.03	<.005
95669	.02	<.005
95670	<.01	<.005
95671	.01	<.005

90-25 ↑  
90-06 ↓

**DETECTION LIMIT**

1 Troy oz/short ton = 34.28 ppm

.01

1 ppm = 0.0001%

.005

ppm = parts per million

< = less than

signed: \_\_\_\_\_



**VGC VANGEOCHEM LAB LIMITED**

MAIN OFFICE  
 1630 PANDORA STREET  
 VANCOUVER, B.C.  
 VSL 1L8  
 TEL (604) 251-5656  
 FAX (604) 254-8717

BRANCH OFFICES  
 BATHURST, N.B.  
 RENO, NEVADA, U.S.A.

REPORT NUMBER: 900409 AA

JOB NUMBER: 900409

PRIME EQUITIES INC.

PAGE 4 OF 4

SAMPLE #	Ag oz/st	Au oz/st
95672	.01	<.005
95673	.03	<.005
95674	.04	<.005
95675	.03	<.005
95676	.03	<.005
95677	.05	.010
95678	.04	<.005
95679	.05	.132
95680	.05	.070
95681	.05	.012
95682	.01	<.005
95683	<.01	<.005

90-86

DETECTION LIMIT

1 Troy oz/short ton = 34.28 ppa

.01

1 ppa = 0.00014

.005

ppa = parts per million

< = less than

signed: \_\_\_\_\_

*Raymond L...*

### ICAP GEOCHEMICAL ANALYSIS

A .5 gram sample is digested with 5 ml of 3:1:2 HCl to HNO<sub>3</sub> to H<sub>2</sub>O at 95 °C for 90 minutes and is diluted to 10 ml with water.  
 This leach is partial for Al, Ba, Ca, Cr, Fe, K, Mg, Mn, Na, P, Sn, Sr and W.

ANALYST: *Kayal*

REPORT #: 900489 PA PRIME EQUITIES INC. PROJECT: COLLINS DATE IN: SEPT 17 1990 DATE OUT: OCT 15 1990 ATTENTION: MR. JIM FOSTER PAGE 1 OF 2

Sample Name	Ag	Al	As	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sn	Sr	U	W	Zn
	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
95612	<0.1	0.26	<3	697	<3	0.65	2.4	5	29	9	1.65	0.12	0.28	696	9	0.05	14	0.02	27	<2	4	35	<5	<3	17
95613	<0.1	0.26	<3	593	<3	0.64	2.3	6	61	5	1.72	0.13	0.25	851	6	0.05	5	0.02	29	<2	4	25	<5	4	13
95614	<0.1	0.29	<3	125	<3	1.34	2.2	4	33	17	1.59	0.13	0.43	1445	6	0.03	5	0.01	18	<2	5	14	<5	8	12
95615	<0.1	0.29	<3	130	<3	0.90	3.1	2	68	28	1.34	0.10	0.33	934	3	0.03	2	0.01	14	<2	2	11	<5	<3	10
95616	<0.1	0.26	<3	672	<3	0.82	1.4	3	33	29	1.31	0.10	0.27	709	4	0.03	2	0.02	8	<2	2	28	<5	8	10
95617	<0.1	0.29	<3	359	<3	0.96	2.3	4	75	9	1.35	0.12	0.34	891	4	0.04	2	0.01	22	<2	3	22	<5	<3	14
95618	<0.1	0.32	<3	32	<3	0.66	1.5	10	46	142	1.89	0.13	0.24	592	9	0.04	6	0.01	31	3	4	19	<5	4	5
95619	<0.1	0.36	<3	527	<3	2.07	1.8	6	80	27	1.34	0.21	0.71	1418	7	0.06	14	0.02	31	4	5	33	<5	<3	9
95620	<0.1	0.29	<3	143	<3	1.85	4.3	10	35	23	2.11	0.20	0.67	2464	10	0.06	11	0.01	29	<2	5	23	<5	8	10
95621	<0.1	0.24	<3	320	<3	0.56	1.7	5	37	9	1.93	0.10	0.25	1063	5	0.05	2	0.02	23	<2	3	20	<5	6	13
95622	<0.1	0.22	<3	345	<3	0.54	1.6	3	56	6	1.89	0.08	0.23	1127	4	0.03	7	0.01	11	<2	3	21	<5	<3	12
95623	<0.1	0.23	<3	717	<3	0.62	0.9	2	38	24	1.85	0.08	0.24	893	5	0.03	8	0.01	11	<2	2	32	<5	<3	11
95624	<0.1	0.25	<3	919	<3	0.56	2.4	3	75	5	1.32	0.08	0.21	607	3	0.03	8	0.01	13	<2	3	38	<5	<3	8
95625	<0.1	0.25	<3	591	<3	0.51	0.3	3	39	6	1.61	0.09	0.23	623	5	0.04	9	0.02	16	<2	3	31	<5	<3	10
95626	<0.1	0.22	<3	595	<3	0.60	1.0	3	57	5	1.38	0.08	0.24	595	6	0.03	4	0.01	16	<2	4	31	<5	<3	9
95627	<0.1	0.23	<3	>1000	<3	0.66	2.8	6	38	7	1.55	0.14	0.26	619	8	0.06	7	0.02	32	6	4	50	<5	<3	12
95628	<0.1	0.28	<3	791	<3	0.82	2.0	5	75	50	1.74	0.13	0.31	894	5	0.05	7	0.02	29	<2	4	42	<5	<3	13
95629	<0.1	0.31	<3	635	<3	0.79	1.6	2	38	12	1.47	0.10	0.26	784	6	0.03	8	0.02	10	<2	2	40	<5	<3	10
95630	<0.1	0.26	<3	270	<3	0.90	0.9	3	66	9	1.44	0.11	0.32	897	6	0.03	8	0.01	16	<2	4	25	<5	<3	10
95631	<0.1	0.22	<3	807	<3	0.79	1.5	4	33	7	1.65	0.11	0.27	815	6	0.04	6	0.01	17	<2	3	48	<5	<3	13
95632	<0.1	0.41	<3	242	<3	0.13	2.0	6	74	13	1.56	0.08	0.18	340	6	0.05	17	0.02	23	<2	3	9	<5	<3	20
95633	<0.1	0.25	<3	374	<3	0.04	0.8	6	44	13	1.52	0.09	0.05	277	10	0.06	17	0.01	39	12	5	9	<5	<3	14
95634	<0.1	0.27	<3	>1000	<3	0.06	0.9	4	80	8	1.38	0.06	0.08	248	7	0.04	7	0.01	19	<2	2	33	<5	<3	14
95635	<0.1	0.25	<3	>1000	<3	0.28	0.7	5	39	7	1.80	0.09	0.17	401	7	0.05	11	0.01	20	<2	3	54	<5	<3	21
95636	<0.1	0.25	<3	>1000	<3	0.35	1.4	4	101	6	1.63	0.09	0.19	421	4	0.04	10	0.01	20	<2	2	45	<5	<3	18
95637	<0.1	0.28	<3	>1000	<3	0.92	2.1	4	42	8	1.63	0.12	0.24	770	7	0.04	13	0.02	21	<2	3	59	<5	<3	14
95638	<0.1	0.27	<3	779	<3	0.30	2.2	5	80	7	1.69	0.10	0.21	402	7	0.05	9	0.02	25	<2	3	29	<5	<3	18
95639	<0.1	0.27	<3	588	<3	0.32	2.1	6	35	8	1.63	0.10	0.19	458	8	0.05	14	0.02	21	4	4	21	<5	<3	13
95640	<0.1	0.31	<3	>1000	<3	0.32	1.6	6	83	8	1.28	0.12	0.12	465	11	0.06	12	0.02	33	5	4	53	<5	<3	8
95641	<0.1	0.25	<3	>1000	<3	0.54	1.5	7	41	8	1.36	0.13	0.23	461	8	0.07	15	0.02	40	18	5	49	<5	<3	8
95642	<0.1	0.26	<3	576	<3	0.42	1.8	5	78	7	1.49	0.11	0.17	431	7	0.05	10	0.02	33	<2	5	19	<5	<3	9
95643	<0.1	0.27	<3	254	<3	0.46	0.8	4	37	7	1.55	0.08	0.22	471	8	0.04	13	0.02	18	<2	4	13	<5	<3	10
95644	<0.1	0.28	<3	383	<3	0.68	0.6	5	71	6	1.64	0.12	0.32	549	7	0.04	11	0.02	21	<2	4	21	<5	<3	13
95645	<0.1	0.28	<3	193	<3	0.48	1.2	5	37	8	1.45	0.12	0.25	466	8	0.06	16	0.02	30	9	5	14	<5	<3	10
95646	<0.1	0.32	<3	84	<3	0.91	1.2	6	80	11	1.15	0.15	0.33	1030	9	0.06	16	0.02	33	4	5	16	<5	<3	9
95647	<0.1	0.34	<3	>1000	<3	1.83	1.4	7	38	10	1.91	0.20	0.58	1069	11	0.06	23	0.02	40	16	7	71	<5	<3	12
95648	<0.1	0.30	<3	232	<3	0.80	0.6	7	77	9	1.21	0.16	0.29	390	9	0.06	21	0.02	34	21	5	21	<5	<3	8
95649	<0.1	0.28	<3	241	<3	0.62	1.5	7	41	9	1.22	0.14	0.28	389	11	0.07	12	0.02	36	12	4	16	<5	<3	8
95650	<0.1	0.28	<3	655	<3	0.46	<0.1	6	78	8	1.22	0.11	0.23	339	6	0.05	16	0.02	25	<2	4	27	<5	<3	8

Minimum Detection 0.1 0.01 3 1 3 0.01 0.1 1 1 1 0.01 0.01 0.01 1 1 0.01 1 0.01 2 2 2 1 5 3 1  
 Maximum Detection 50.0 10.00 2000 1000 1000 10.00 1000.0 20000 1000 20000 10.00 10.00 10.00 20000 1000 10.00 20000 10.00 20000 2000 1000 10000 100 1000 20000  
 < - Less Than Minimum > - Greater Than Maximum is - Insufficient Sample ns - No Sample ANOMALOUS RESULTS - Further Analyses By Alternate Methods Suggested.

01/02/91

11:59

UGC

NO. 612

P009/010

ICAP GEOCHEMICAL ANALYSIS

A .5 gram sample is digested with 5 ml of 3:1:2 HCl to HNO<sub>3</sub> to H<sub>2</sub>O at 95 °C for 90 minutes and is diluted to 10 ml with water.  
 This leach is partial for Al, Ba, Ca, Cr, Fe, K, Mg, Mn, Na, P, Sn, Sr and W.

ANALYST: *Kyath*

REPORT #: 900489 PA PRIME EQUITIES INC. PROJECT: COLLINS DATE IN: SEPT 17 1990 DATE OUT: OCT 15 1990 ATTENTION: MR. JIM FOSTER PAGE 2 OF 2

Sample Name	Ag	Al	As	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sn	Sr	U	W	Zn
	ppm	I	ppm	ppm	ppm	I	ppm	ppm	ppm	ppm	I	I	I	ppm	ppm	I	ppm	I	ppm	ppm	ppm	ppm	ppm	ppm	ppm
95651	<0.1	0.21	<3	721	<3	0.63	0.7	1	43	8	1.70	0.07	0.26	477	6	0.02	29	0.01	2	<2	<2	34	<5	<3	9
95652	<0.1	0.25	<3	395	<3	0.52	0.3	<1	80	2	1.23	0.05	0.23	383	2	0.02	10	<0.01	<2	<2	3	21	<5	<3	8
95653	<0.1	0.26	<3	523	<3	0.72	<0.1	2	43	3	1.48	0.09	0.32	734	6	0.03	12	<0.01	9	4	4	28	<5	<3	10
95654	<0.1	0.27	<3	463	<3	0.45	<0.1	2	77	2	0.90	0.07	0.20	322	2	0.02	7	0.01	7	<2	2	18	<5	<3	7
95655	<0.1	0.23	<3	>1000	<3	0.38	0.9	2	39	3	1.24	0.08	0.20	343	6	0.04	6	0.01	24	5	6	102	<5	<3	8
95656	<0.1	0.25	<3	241	<3	0.48	2.4	1	81	2	0.88	0.10	0.19	272	5	0.04	9	0.01	18	10	6	14	<5	<3	6
95657	<0.1	0.28	<3	533	<3	0.15	<0.1	3	36	5	1.54	0.03	0.11	485	4	0.02	11	0.01	5	2	<2	15	<5	<3	17
95658	<0.1	0.25	<3	753	<3	0.19	<0.1	<1	80	<1	1.39	<0.01	0.07	374	<1	<0.01	<1	<0.01	<2	<2	<2	25	<5	<3	13
95659	<0.1	0.22	<3	964	<3	0.11	<0.1	<1	36	8	1.33	<0.01	0.05	308	1	<0.01	6	0.01	<2	<2	<2	26	<5	<3	13
95660	<0.1	0.22	<3	557	<3	0.22	<0.1	<1	66	11	1.38	0.02	0.13	298	<1	0.02	4	0.01	<2	<2	3	19	<5	<3	15
95661	<0.1	0.23	<3	698	<3	0.34	0.9	<1	35	4	1.68	0.05	0.17	373	5	0.02	11	0.01	<2	<2	<2	26	<5	<3	19
95662	<0.1	0.26	<3	548	<3	0.30	0.8	<1	76	3	1.57	0.06	0.17	370	1	0.03	4	0.01	2	<2	<2	22	<5	<3	17
95663	<0.1	0.24	<3	733	<3	0.44	1.5	2	77	5	1.49	0.08	0.17	508	1	0.04	4	0.01	11	6	2	25	<5	<3	12
95664	<0.1	0.23	<3	971	<3	0.64	0.8	1	39	4	1.76	0.09	0.23	665	<1	0.03	8	0.01	<2	9	<2	33	<5	<3	12
95665	<0.1	0.25	<3	743	<3	0.36	<0.1	<1	68	3	1.48	0.03	0.17	642	<1	<0.01	<1	0.01	<2	<2	<2	18	<5	<3	13
95666	<0.1	0.24	<3	>1000	<3	0.55	<0.1	<1	39	4	1.65	<0.01	0.23	629	<1	<0.01	<1	<0.01	<2	<2	<2	43	<5	<3	11
95667	<0.1	0.26	<3	809	<3	0.20	0.3	<1	77	2	1.13	<0.01	0.12	282	<1	<0.01	5	<0.01	<2	<2	<2	23	<5	<3	7
95668	<0.1	0.27	<3	>1000	<3	0.39	0.9	<1	37	4	1.90	0.03	0.22	567	<1	<0.01	6	0.01	<2	<2	<2	39	<5	<3	11
95669	<0.1	0.25	<3	802	<3	0.65	0.3	<1	73	3	1.38	0.05	0.24	592	<1	<0.01	<1	0.01	<2	<2	<2	27	<5	<3	7
95670	<0.1	0.24	<3	901	<3	0.29	3.2	<1	38	4	1.37	0.03	0.19	393	4	0.02	3	0.01	<2	<2	<2	32	<5	<3	10
95671	<0.1	0.24	<3	782	<3	0.36	<0.1	<1	65	6	1.23	0.01	0.19	377	3	0.01	11	0.02	<2	<2	<2	28	<5	<3	9
95672	<0.1	0.22	<3	>1000	<3	0.52	0.4	<1	33	3	1.60	<0.01	0.27	496	<1	<0.01	2	0.01	<2	<2	<2	62	<5	<3	10
95673	<0.1	0.29	<3	392	<3	0.87	1.1	<1	79	3	1.37	0.04	0.28	654	<1	<0.01	<1	0.01	<2	<2	<2	25	<5	<3	8
95674	<0.1	0.26	<3	761	<3	0.38	0.9	1	87	10	1.74	<0.01	0.24	468	<1	<0.01	<1	0.01	<2	<2	<2	37	<5	<3	16
95675	<0.1	0.28	<3	>1000	<3	0.57	<0.1	4	36	49	2.03	0.07	0.28	702	7	<0.01	<1	0.01	<2	<2	<2	40	<5	<3	18
95676	<0.1	0.27	<3	833	<3	0.43	1.3	<1	74	6	1.41	0.05	0.26	453	<1	0.01	<1	0.01	<2	<2	<2	45	<5	<3	13
95677	<0.1	0.26	<3	>1000	<3	0.56	0.5	1	37	9	1.36	0.07	0.26	538	4	0.02	<1	0.01	<2	<2	<2	75	<5	<3	9
95678	<0.1	0.27	<3	777	<3	0.87	1.1	<1	78	6	1.63	0.07	0.38	850	<1	<0.01	2	0.01	<2	<2	<2	38	<5	<3	12
95679	1.4	0.26	<3	8	<3	1.36	1.8	6	35	901	3.96	0.13	0.46	1478	3	<0.01	4	<0.01	<2	<2	<2	53	<5	<3	13
95680	<0.1	0.25	<3	12	<3	3.18	0.3	5	70	2018	3.66	0.19	0.85	5758	2	<0.01	<1	<0.01	<2	<2	<2	50	<5	<3	22
95681	<0.1	0.37	<3	497	<3	1.10	0.9	<1	36	81	1.42	0.06	0.36	2131	<1	<0.01	<1	0.01	<2	<2	<2	35	<5	<3	11
95682	<0.1	0.55	<3	>1000	<3	2.13	<0.1	<1	101	22	2.01	0.18	0.67	2720	<1	<0.01	<1	0.02	<2	<2	<2	128	<5	<3	16
95683	<0.1	0.28	<3	>1000	<3	0.67	<0.1	<1	32	12	1.59	0.06	0.34	802	3	<0.01	<1	0.01	<2	<2	<2	75	<5	<3	13

Minimum Detection 0.1 0.01 3 1 3 0.01 0.1 1 1 1 0.01 0.01 0.01 1 1 0.01 1 0.01 2 2 2 1 5 3 1  
 Maximum Detection 50.0 10.00 2000 1000 1000 10.00 1000.0 20000 1000 20000 10.00 10.00 10.00 20000 1000 10.00 20000 10.00 20000 2000 1000 10000 100 1000 20000  
 < - Less Than Minimum > - Greater Than Maximum is - Insufficient Sample ns - No Sample ANOMALOUS RESULTS - Further Analyses By Alternate Methods Suggested.

01/02/91

12:01

UGC

NO: 612

P010/010

IMPRIED AT CANADA

VANCOUVER, BC  
(604) 251-5656



MAIN OFFICE  
1988 TRIUMPH CT.  
VANCOUVER, B.C. V5L 1K5  
• (604) 251-5656  
• FAX (604) 254-5717

BRANCH OFFICES  
PASADENA, N.F.L.D.  
BATHURST, N.B.  
MISSISSAUGA, ONT.  
RENO, NEVADA, U.S.A.

**ASSAY ANALYTICAL REPORT**

CLIENT: PRIME EQUITIES INC.  
ADDRESS: 10th Flr 808 W. Hastings St.  
: Vancouver, BC  
: V6C 2X6

DATE: SEPT 24 1990

REPORT#: 900466 AA  
JOB#: 900466

PROJECT#: COLLINS  
SAMPLES ARRIVED: SEPT 14 1990  
REPORT COMPLETED: SEPT 24 1990  
ANALYSED FOR: Ag Au

INVOICE#: 900466 NA  
TOTAL SAMPLES: 82  
REJECTS/PULPS: 90 DAYS/1 YR  
SAMPLE TYPE: 82 CORE

SAMPLES FROM: BRONSON CAMP - PAMICON DEVELOPMENTS  
COPY SENT TO: PRIME EQUITIES INC.

PREPARED FOR: MR. JIM FOSTER

ANALYSED BY: Raymond Chan

SIGNED: \_\_\_\_\_

Registered Provincial Assayer

GENERAL REMARK: None





VANCOUVER, BC VSL 116  
(604) 251-9656

# VGC VANGEOCHEM LAB LIMITED

MAIN OFFICE  
1088 TRIUMPH ST.  
VANCOUVER, B.C. V6L 1K5  
• (604) 251-5856  
• FAX (604) 254-5717

BRANCH OFFICES  
PASADENA, N.F.L.D.  
BATHURST, N.B.  
MISSISSAUGA, ONT.  
RENO, NEVADA, U.S.A.

REPORT NUMBER: 900466 AA

JOB NUMBER: 900466

PRIME EQUITIES INC.

PAGE 1 OF 5

SAMPLE #	Ag oz/st	Au oz/st
95684	.01	<.005
95685	.01	<.005
95686	<.01	<.005
95687	<.01	<.005
95688	<.01	<.005
95689	.04	<.005
95690	<.01	<.005
95691	.03	.006
95692	<.01	<.005
95693	.01	<.005
95694	<.01	<.005
95695	<.01	<.005
95696	<.01	<.005
95697	.02	<.005
95698	.02	<.005
95699	<.01	<.005
95700	.01	<.005
95701	.01	<.005
95702	<.01	<.005
95703	<.01	<.005

90-07

**DETECTION LIMIT**

1 Troy oz/short ton = 34.28 ppm

.01


1 ppm = 0.00018

.005

ppm = parts per million

< = less than

signed: \_\_\_\_\_



# VGC VANGEOCHEM LAB LIMITED

MAIN OFFICE  
1000 TRIUMPH ST.  
VANCOUVER, B.C. V6L 1K5  
● (604) 251-5656  
● FAX (604) 254-5717

BRANCH OFFICES  
PASADENA, N.F.L.D.  
BATHURST, N.B.  
MISSISSAUGA, ONT.  
RENO, NEVADA, U.S.A.

REPORT NUMBER: 900466 AA

JOB NUMBER: 900466

PRIME EQUITIES INC.

PAGE 2 OF 5

SAMPLE #	Ag oz/st	Au oz/st
95704	.02	<.005
95705	<.01	<.005
95706	.03	<.005
95707	<.01	<.005
95708	.02	<.005
95709	.03	<.005
95710	.02	<.005
95711	<.01	<.005
95712	<.01	<.005
95713	.01	<.005
95714	<.01	<.005
95715	<.01	<.005
95716	.02	<.005
95717	.01	<.005
95718	<.01	<.005
95719	<.01	<.005
95720	.02	<.005
95721	<.01	<.005
95722	.01	<.005
95723	.01	<.005

90-07A

90-08

**DETECTION LIMIT**

1 Troy oz/short ton = 31.28 ppb

.01  
1 ppb = 0.00031

.005  
ppb = parts per billion

< = less than

signed: \_\_\_\_\_



1000 PATTERSON STREET  
VANCOUVER, BC V5L 1L6  
(604) 251-5656

# VGC VANGEOCHEM LAB LIMITED

MAIN OFFICE  
~~1300 TRIUMPH ST.~~  
VANCOUVER, B.C. V6L 1K6  
● (604) 251-5656  
● FAX (604) 254-5717

BRANCH OFFICES  
PASADENA, NFLD.  
BATHURST, N.B.  
MISSISSAUGA, ONT.  
RENO, NEVADA, U.S.A.

REPORT NUMBER: 900466 AA

JOB NUMBER: 900466

PRIME SERVICES INC.

PAGE 3 OF 5

SAMPLE #	kg oz/st	µg oz/st
95724	<.01	<.005
95725	<.01	<.005
95726	<.01	<.005
95727	.02	<.005
95728	.01	<.005
95729	<.01	<.005
95730	.02	<.005
95731	.02	<.005
95732	.02	<.005
95733	.01	<.005
95734	<.01	<.005
95735	<.01	<.005
95736	<.01	<.005
95737	<.01	<.005
95738	<.01	<.005
95739	.03	<.005
95740	<.01	<.005
95741	.01	<.005
95742	<.01	<.005
95743	.01	<.005

90-08  
↓

**DETECTION LIMIT**

1 Troy oz/short ton = 34.28 ppm

.01

1 ppm = 0.0001t

.005

ppm = parts per million

< = less than

signed: \_\_\_\_\_





1021 1/2  
VANCOUVER, BC V6L 1J6  
(604) 251-5656

# VGC VANGEOCHEM LAB LIMITED

MAIN OFFICE  
~~4000 TRIUMPH ST.~~  
VANCOUVER, B.C. V6L 1K5  
• (604) 251-5656  
• FAX (604) 254-5717

BRANCH OFFICES  
PASADENA, N.F.L.D.  
BATHURST, N.B.  
MISSISSAUGA, ONT.  
RENO, NEVADA, U.S.A.

REPORT NUMBER: 900466 1A

JOB NUMBER: 900466

PRIME EQUITIES INC.

PAGE 5 OF 5

SAMPLE #	Ag oz/st	Au oz/st
95764	.01	<.005
95765	<.01	<.005

**DETECTION LIMIT**

1 Troy oz/short ton = 34.26 ppm

.01


1 ppm = 0.0001%

.005

ppm = parts per million

< = less than

signed: \_\_\_\_\_



### ICAP GEOCHEMICAL ANALYSIS

A .5 gram sample is digested with 5 ml of 3:1:2 HCl to HNO<sub>3</sub> to H<sub>2</sub>O at 95 °C for 90 minutes and is diluted to 10 ml with water.  
 This leach is partial for Al, Ba, Ca, Cr, Fe, K, Mg, Ni, Na, P, Sn, Sr and U.

ANALYST: *[Signature]*

REPORT #: 900466 PA PRIME EQUITIES INC. PROJECT: COLLINS DATE IN: SEPT 14 1990 DATE OUT: OCT 15 1990 ATTENTION: MR. JIM FOSTER PAGE 1 OF 3

Sample Name	Ag	Al	As	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sn	Sr	U	V	Zn
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
95684	<0.1	0.51	<3	886	16	0.39	1.2	2	38	18	2.03	0.08	0.14	543	7	0.04	18	0.01	<2	5	5	22	<5	<3	59
95685	0.2	0.24	<3	819	41	0.39	1.8	4	72	12	1.96	0.08	0.20	622	2	0.05	8	0.01	16	<2	4	23	<5	<3	31
95686	<0.1	0.26	<3	425	<3	0.21	1.4	3	48	9	1.97	0.07	0.13	580	7	0.06	15	0.01	23	19	5	12	<5	4	26
95687	0.1	0.26	<3	556	48	0.46	2.0	5	82	10	2.03	0.12	0.16	832	7	0.07	13	0.01	22	13	6	16	11	<3	22
95688	0.1	0.32	<3	851	<3	0.38	3.3	5	48	6	2.04	0.13	0.16	652	9	0.07	11	0.01	30	22	8	24	15	<3	29
95689	<0.1	0.34	<3	955	15	0.35	2.2	3	83	4	2.04	0.09	0.20	577	4	0.06	13	0.01	21	12	6	26	<5	<3	30
95690	0.2	0.37	<3	564	<3	0.46	1.6	2	40	7	2.04	0.09	0.19	616	5	0.04	10	0.01	<2	<2	2	19	9	<3	35
95691	0.1	0.33	<3	510	19	0.42	1.2	<1	82	4	1.96	0.07	0.20	607	2	0.04	15	0.01	<2	<2	<2	17	9	<3	28
95692	<0.1	0.49	<3	522	<3	0.40	1.9	2	46	5	2.08	0.08	0.20	608	5	0.05	14	0.01	<2	<2	2	19	10	<3	35
95693	0.2	0.29	<3	296	40	0.38	2.4	3	99	5	2.07	0.08	0.20	660	5	0.05	19	0.01	8	8	4	14	10	<3	30
95694	0.1	0.52	<3	958	<3	0.37	2.4	3	43	6	2.11	0.11	0.21	642	6	0.06	15	0.02	27	14	5	19	7	<3	35
95695	0.1	0.79	<3	993	11	0.32	2.4	4	83	6	2.08	0.11	0.25	576	4	0.07	13	0.02	15	14	6	21	<5	<3	35
95696	0.3	0.78	<3	>1000	21	0.29	1.7	5	43	28	2.33	0.11	0.21	601	7	0.06	21	0.02	32	13	8	25	<5	<3	34
95697	0.6	0.77	<3	>1000	<3	0.36	1.9	3	74	6	2.18	0.10	0.19	507	4	0.06	17	0.02	3	6	4	37	14	<3	34
95698	0.2	0.79	<3	>1000	<3	0.18	0.3	<1	40	9	2.17	0.04	0.19	451	4	0.03	14	0.01	<2	<2	<2	21	<5	<3	33
95699	<0.1	0.77	<3	>1000	<3	0.41	1.2	<1	85	8	2.00	0.07	0.20	550	1	0.03	24	0.02	<2	<2	2	35	10	<3	34
95700	<0.1	0.48	<3	>1000	8	0.38	2.0	2	41	32	2.67	0.09	0.19	774	7	0.04	19	0.02	<2	2	3	30	<5	<3	33
95701	0.1	0.41	<3	678	<3	0.33	3.0	3	76	6	2.05	0.11	0.27	648	3	0.06	19	0.02	7	11	4	19	9	<3	29
95702	<0.1	0.57	<3	484	<3	0.29	3.1	4	51	7	2.06	0.09	0.27	477	7	0.06	25	0.02	15	3	5	14	<5	<3	25
95703	<0.1	0.53	<3	320	<3	0.26	2.4	4	92	7	1.91	0.09	0.27	459	6	0.06	25	0.01	36	10	4	12	7	<3	32
95704	<0.1	0.25	<3	>1000	46	0.52	2.7	<1	39	7	2.06	0.09	0.25	698	4	0.04	35	0.02	<2	<2	3	32	6	<3	19
95705	<0.1	0.31	<3	>1000	<3	0.65	3.7	<1	80	5	2.44	0.09	0.28	1632	1	0.02	24	0.01	<2	<2	3	30	10	<3	18
95706	0.3	0.30	<3	>1000	<3	0.63	2.4	<1	40	9	1.87	0.09	0.27	1370	5	0.02	23	0.02	<2	<2	<2	44	12	<3	19
95707	0.2	0.23	<3	837	<3	0.59	3.3	2	63	6	1.86	0.10	0.24	899	3	0.04	20	0.01	5	<2	<2	33	11	<3	16
95708	<0.1	0.29	<3	712	<3	0.72	3.1	2	45	7	2.02	0.12	0.31	1028	4	0.04	26	0.02	12	6	4	41	<5	<3	18
95709	<0.1	0.28	<3	>1000	<3	0.75	3.5	4	75	9	2.08	0.13	0.30	1133	4	0.05	28	0.02	24	3	4	76	10	<3	19
95710	<0.1	0.26	<3	614	<3	0.61	3.0	5	54	10	2.06	0.13	0.27	1072	10	0.06	36	0.02	27	16	2	36	11	5	20
95711	<0.1	0.28	<3	358	<3	0.77	3.1	3	86	7	2.00	0.14	0.30	1215	5	0.05	36	0.02	14	11	4	29	7	<3	16
95712	<0.1	0.25	<3	515	<3	0.71	3.3	1	89	7	2.00	0.11	0.30	1472	6	0.03	35	0.02	6	<2	<2	29	11	<3	14
95713	<0.1	0.27	<3	637	<3	0.74	3.4	<1	70	6	1.90	0.10	0.32	1014	2	0.03	28	0.02	<2	<2	<2	35	9	<3	16
95714	<0.1	0.47	<3	619	14	0.23	3.5	1	39	7	2.00	0.05	0.16	530	5	0.03	30	0.02	3	<2	2	18	<5	<3	30
95715	<0.1	0.27	<3	593	<3	0.11	3.0	2	76	8	2.02	0.05	0.09	540	3	0.04	25	0.02	9	4	<2	13	6	<3	29
95716	<0.1	0.33	<3	409	<3	0.16	2.3	3	40	8	2.05	0.07	0.15	591	7	0.05	29	0.02	18	<2	3	11	<5	<3	29
95717	<0.1	0.24	<3	602	<3	0.47	4.2	4	73	9	2.09	0.13	0.24	657	7	0.06	35	0.02	35	8	4	17	<5	<3	15
95718	0.4	0.26	<3	380	<3	0.12	4.3	4	43	9	1.99	0.10	0.09	512	7	0.06	31	0.02	30	22	5	9	7	<3	17
95719	0.2	0.38	<3	592	<3	0.27	3.6	3	91	9	2.39	0.10	0.16	884	5	0.05	34	0.02	26	<2	5	18	<5	<3	29
95720	0.1	0.39	<3	536	56	0.52	3.3	1	38	8	2.20	0.10	0.23	615	4	0.03	34	0.02	<2	<2	<2	18	8	<3	33
95721	<0.1	0.48	<3	404	<3	0.39	3.9	1	83	10	2.06	0.07	0.19	571	3	0.03	28	0.02	<2	<2	<2	14	<5	<3	38
95722	<0.1	0.49	<3	633	<3	0.33	3.0	3	104	9	2.00	0.06	0.21	578	9	0.03	101	0.01	<2	<2	2	16	<5	<3	26

Minimum Detection 0.1 0.01 3 1 3 0.01 0.1 1 1 1 0.01 0.01 0.01 1 1 0.01 1 0.01 2 2 2 2 1 5 3 1  
 Maximum Detection 50.0 10.00 2000 1000 1000 10.00 1000.0 20000 1000 20000 10.00 10.00 10.00 20000 1000 10.00 20000 20000 10.00 20000 2000 2000 1000 10000 100 1000 20000  
 < - Less Than Minimum > - Greater Than Maximum is - Insufficient Sample ns - No Samp. ANOMALOUS RESULTS - Further Analyses By Alternate Methods Suggested.

IMPRIE AU CANADA

01/02/91

11:56

UIC

NO. 612

P006/010

ICAP GEOCHEMICAL ANALYSIS

A .5 gram sample is digested with 5 ml of 3:1:2 HCl to HNO<sub>3</sub> to H<sub>2</sub>O at 95 °C for 90 minutes and is diluted to 10 ml with water.  
 This leach is partial for Al, Ba, Ca, Cr, Fe, K, Mg, Mn, Na, P, Se, Sr and N.

ANALYST: *Ryall*

REPORT #: 900466 PA

PRIME EQUITIES INC.

PROJECT: COLLINS

DATE IN: SEPT 14 1990

DATE OUT: OCT 15 1990

ATTENTION: MR. JIM FOSTER

PAGE 2 OF 3

Sample Name	Ag ppm	Al %	As ppm	Ba ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	Sb ppm	Se ppm	Sr ppm	U ppm	V ppm	Zn ppm
95723	<0.1	0.36	<3	410	<3	0.30	0.2	<1	117	5	2.03	0.05	0.15	571	4	0.03	15	0.01	<2	<2	3	16	<5	<3	34
95724	<0.1	0.31	<3	323	<3	0.29	<0.1	1	41	3	2.03	0.05	0.17	593	6	0.03	10	0.01	5	<2	5	12	<5	<3	32
95725	<0.1	0.56	<3	360	<3	0.19	<0.1	2	88	3	2.21	0.04	0.16	508	5	0.05	8	0.01	<2	<2	4	9	<5	<3	41
95726	<0.1	0.71	<3	331	<3	0.42	<0.1	2	43	5	2.30	0.08	0.20	554	6	0.05	12	0.02	7	<2	5	15	<5	<3	49
95727	<0.1	0.62	<3	308	<3	0.36	<0.1	3	67	4	2.02	0.09	0.17	497	3	0.05	8	0.01	11	<2	5	12	<5	<3	43
95728	<0.1	0.66	<3	488	<3	0.46	<0.1	2	42	3	2.08	0.10	0.19	580	5	0.06	11	0.01	10	<2	5	18	<5	<3	47
95729	0.2	0.55	<3	356	4	0.51	0.3	2	76	4	2.14	0.12	0.21	557	4	0.06	11	0.01	17	<2	6	18	<5	<3	42
95730	0.5	0.29	<3	587	4	0.60	<0.1	<1	48	13	1.96	0.09	0.23	661	3	0.04	10	0.01	<2	<2	3	24	<5	<3	29
95731	0.4	0.24	<3	587	6	0.38	<0.1	<1	74	10	1.70	0.03	0.17	520	<1	<0.01	11	0.01	<2	<2	<2	21	<5	<3	24
95732	0.3	0.17	<3	830	<3	0.38	<0.1	<1	35	5	1.56	0.02	0.16	635	<1	<0.01	8	<0.01	<2	<2	<2	25	<5	<3	18
95733	<0.1	0.22	<3	853	<3	0.48	<0.1	<1	57	<1	1.69	0.02	0.19	1097	<1	<0.01	6	<0.01	<2	<2	<2	29	<5	<3	15
95734	<0.1	0.14	<3	583	<3	0.38	<0.1	<1	24	5	1.10	<0.01	0.15	632	<1	<0.01	8	<0.01	<2	<2	<2	18	<5	3	9
95735	<0.1	0.15	<3	565	<3	0.30	<0.1	<1	49	<1	1.06	0.02	0.12	656	<1	<0.01	14	<0.01	<2	<2	<2	18	<5	<3	9
95736	<0.1	0.09	<3	236	<3	0.15	<0.1	<1	16	<1	0.52	0.01	0.07	325	<1	<0.01	12	<0.01	<2	<2	<2	8	<5	<3	3
95737	<0.1	0.04	<3	87	<3	0.06	<0.1	<1	8	<1	0.18	0.03	0.03	127	<1	<0.01	13	<0.01	<2	<2	<2	3	<5	<3	1
95738	<0.1	0.21	<3	981	40	0.54	0.6	1	41	2	1.86	0.06	0.22	780	4	0.02	11	0.01	<2	<2	5	39	<5	<3	19
95739	<0.1	0.22	<3	535	44	0.32	0.1	<1	67	2	1.60	0.04	0.17	584	2	0.02	11	0.01	2	3	4	31	<5	<3	17
95740	<0.1	0.22	<3	774	31	0.32	1.3	3	42	3	1.75	0.04	0.18	612	6	0.03	19	0.01	8	7	3	26	<5	<3	20
95741	<0.1	0.28	<3	504	14	0.31	<0.1	1	77	3	1.82	0.05	0.18	660	3	0.03	16	0.01	2	5	4	18	<5	<3	32
95742	0.5	0.33	<3	400	19	0.33	1.1	1	38	2	1.75	0.06	0.21	582	4	0.03	16	0.01	7	<2	4	16	<5	<3	26
95743	<0.1	0.28	<3	716	24	0.70	1.0	<1	77	2	1.69	0.05	0.27	1001	<1	<0.01	26	<0.01	<2	<2	<2	29	<5	<3	13
95744	<0.1	0.24	<3	508	39	0.46	<0.1	<1	41	<1	1.42	0.02	0.21	627	<1	<0.01	17	0.01	<2	<2	<2	25	<5	<3	8
95745	<0.1	0.24	<3	686	<3	0.64	<0.1	<1	72	<1	1.39	0.05	0.24	608	<1	<0.01	18	0.01	<2	<2	<2	34	<5	<3	10
95746	<0.1	0.22	<3	834	48	2.02	<0.1	<1	36	<1	1.87	0.16	0.62	1061	3	<0.01	23	0.01	<2	<2	<2	47	<5	<3	12
95747	<0.1	0.82	<3	301	25	0.96	0.2	3	63	27	1.36	0.10	0.44	965	2	<0.01	23	0.02	<2	<2	4	22	<5	<3	21
95748	0.1	0.34	<3	515	48	1.44	0.7	<1	37	2	1.66	0.15	0.38	1509	1	0.02	22	0.02	<2	<2	3	30	<5	<3	19
95749	0.1	0.35	<3	692	37	1.24	0.2	<1	61	<1	1.99	0.14	0.43	968	<1	0.02	18	0.04	<2	3	3	37	<5	<3	15
95750	0.1	0.30	<3	211	23	1.75	1.2	<1	34	15	1.30	0.16	0.53	1599	2	0.02	26	0.01	<2	<2	2	23	<5	<3	9
95751	<0.1	0.36	<3	90	22	1.27	<0.1	2	78	6	0.96	0.15	0.41	1031	1	0.02	24	0.01	<2	2	<2	18	<5	<3	6
95752	<0.1	0.25	<3	541	13	1.40	0.3	<1	31	<1	1.50	0.16	0.43	1033	2	0.02	19	0.01	<2	<2	4	34	<5	<3	9
95753	<0.1	0.30	<3	570	18	1.40	<0.1	<1	80	<1	1.60	0.15	0.45	995	<1	0.02	23	0.01	<2	4	3	40	<5	<3	9
95754	<0.1	0.27	<3	494	<3	1.13	<0.1	<1	43	<1	1.41	0.09	0.37	827	<1	<0.01	24	0.01	<2	<2	<2	30	<5	<3	8
95755	<0.1	0.31	<3	832	7	0.70	<0.1	<1	80	<1	0.86	0.05	0.24	451	5	<0.01	26	0.01	<2	<2	<2	30	<5	<3	5
95756	<0.1	0.29	<3	>1000	35	0.52	<0.1	<1	36	<1	1.62	0.04	0.24	546	<1	<0.01	25	<0.01	<2	<2	<2	44	<5	<3	9
95757	<0.1	0.33	<3	>1000	<3	0.84	<0.1	<1	75	<1	1.67	0.09	0.32	1166	<1	<0.01	27	0.01	<2	<2	3	49	<5	<3	9
95758	<0.1	0.34	<3	325	<3	1.10	<0.1	<1	38	18	2.72	0.14	0.37	1900	<1	0.01	27	0.01	<2	<2	<2	25	<5	<3	14
95759	<0.1	0.32	<3	570	<3	0.86	<0.1	<1	74	<1	1.59	0.11	0.33	944	<1	0.02	28	<0.01	<2	<2	<2	29	<5	<3	15
95760	<0.1	0.33	<3	379	17	1.03	<0.1	<1	39	11	1.47	0.13	0.36	1004	<1	0.02	28	0.01	<2	<2	<2	25	<5	<3	14
95761	5.7	0.18	<3	8	339	0.10	3.0	107	74	651	>10.00	0.28	0.06	95	6	0.09	41	<0.01	23	34	16	4	<5	<3	3

Minimum Detection 0.1 0.01 3 1 3 0.01 0.1 1 1 1 0.01 0.01 0.01 1 1 0.01 1 0.01 2 2 2 1 5 3 1  
 Maximum Detection 50.0 10.00 2000 1000 1000 10.00 1000.0 20000 1000 20000 10.00 10.00 10.00 20000 1000 10.00 20000 10.00 20000 2000 1000 10000 100 1000 20000  
 (- Less Than Minimum) - Greater Than Maximum is - Insufficient Sample ns - No Sample ANOMALOUS RESULTS - Further Analyses By Alternate Methods Suggested.

01/02/91

11:57

UAC

NO. 612

P007/010

ICAP GEOCHEMICAL ANALYSIS

A .5 gram sample is digested with 5 ml of 3:1:2 HCl to HNO<sub>3</sub> to H<sub>2</sub>O at 95 °C for 90 minutes and is diluted to 10 ml with water.  
 This leach is partial for Al, Ba, Ca, Cr, Fe, K, Mg, Mn, Na, P, Sn, Sr and U.

ANALYST: *[Signature]*

REPORT #: 900466 PA	PRIME EQUITIES INC.	PROJECT: COLLINS	DATE IN: SEPT 14 1990	DATE OUT: OCT 15 1990	ATTENTION: MR. JIM FOSTER	PAGE 3 OF 3																				
Sample Name	Ag	Al	As	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sn	Sr	U	V	Zn	
	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
95762	0.3	0.41	<3	115	<3	1.01	0.4	6	54	213	1.83	0.14	0.34	1322	7	0.04	<1	0.01	22	<2	5	26	<5	<3	10	
95763	0.2	0.27	<3	252	<3	0.71	<0.1	4	84	176	1.51	0.12	0.26	729	6	0.04	<1	0.01	29	<2	4	27	<5	<3	6	
95764	<0.1	0.18	<3	542	<3	0.50	<0.1	2	41	5	1.44	0.10	0.20	571	5	0.05	<1	0.01	20	<2	4	30	<5	<3	8	
95765	0.1	0.14	<3	483	<3	0.28	<0.1	<1	75	<1	1.44	0.04	0.15	568	2	0.03	<1	<0.01	5	<2	3	23	<5	<3	7	
Minimum Detection	0.1	0.01	3	1	3	0.01	0.1	1	1	1	0.01	0.01	0.01	1	1	0.01	1	0.01	2	2	2	1	5	3	1	
Maximum Detection	50.0	10.00	2000	1000	1000	10.00	1000.0	20000	1000	20000	10.00	10.00	10.00	20000	1000	10.00	20000	10.00	20000	2000	1000	10000	100	1000	20000	
< - Less Than Minimum    > - Greater Than Maximum    is - Insufficient Sample    ns - No Sample    ANOMALOUS RESULTS - Further Analyses By Alternate Methods Suggested.																										

01/02/91

11:59

URG

NO. 612

P008/010



1630 PARADISE DRIVE  
VANCOUVER, BC V5L 1L6  
(604) 251-5656

**VGC VANGEOCHEM LAB LIMITED**

MAIN OFFICE  
1088 TRIUMPH ST.  
VANCOUVER, B.C. V5L 1K3  
• (604) 251-5656  
• FAX (604) 254-5717

BRANCH OFFICES  
PASADENA, NFLD.  
BATHURST, N.B.  
MISSISSAUGA, ONT.  
RENO, NEVADA, U.S.A.

**ASSAY ANALYTICAL REPORT**  
=====

CLIENT: PRIME EQUITIES INC.  
ADDRESS: 10th Flr 808 W. Hastings St.  
: Vancouver, BC  
: V6C 2X6

DATE: SEPT 20 1990

REPORT#: 900459 AA  
JOB#: 900459

PROJECT#: COLLINS  
SAMPLES ARRIVED: SEPT 13 1990  
REPORT COMPLETED: SEPT 20 1990  
ANALYSED FOR: Ag Au

INVOICE#: 900459 NA  
TOTAL SAMPLES: 29  
REJECTS/PULPS: 90 DAYS/1 YR  
SAMPLE TYPE: 29 CORE

SAMPLES FROM: MR. S. TODORUK - PAHICOM  
COPY SENT TO: PRIME EQUITIES INC.

PREPARED FOR: MR. JIM FOSTER

ANALYSED BY: Raymond Chan

SIGNED: \_\_\_\_\_

Registered Provincial Assayer

GENERAL REMARK: None

**VGC VANGEOCHEM LAB LIMITED**

**MAIN OFFICE**  
 1030 FAYUANA ST.  
 VANCOUVER, B.C. V5L 1K3  
 • (604) 251-5656  
 • FAX (604) 254-5717

**BRANCH OFFICES**  
 PASADENA, N.F.L.D.  
 BATHURST, N.B.  
 MISSISSAUGA, ONT.  
 RENO, NEVADA, U.S.A.

REPORT NUMBER: 988459 AA

JOB NUMBER: 988459

PRIME EQUITIES INC.

PAGE 1 OF 2

SAMPLE #	Ag oz/st	Au oz/st	
95766	.04	.008	AC-90-10 Wdjh 1.5m ↓
95767	.04	<.005	
95768	<.01	<.005	
95769	.02	<.005	
95770	<.01	<.005	
95771	<.01	<.005	
95772	<.01	<.005	
95773	<.01	<.005	
95774	<.01	<.005	
95775	.03	<.005	
95776	<.01	<.005	1.0
95777	<.01	<.005	1.5
95778	.01	<.005	1.5
95779	.02	<.005	1.5
95780	.02	<.005	1.0
95781	<.01	<.005	1.5
95782	<.01	<.005	1.5
95783	<.01	<.005	1.5
95784	<.01	<.005	1.0
95785	.09	.144	1.0 } g.v. 5-15% py 1% cpv

**DETECTION LIMIT**  
 1 Troy oz/short ton = 34.28 ppm      .01      .005  
 1 ppm = 0.00014      ppm = parts per million      < = less than

signed: \_\_\_\_\_

1630 PANDORA .....  
VANCOUVER, BC V5L 1L6  
(604) 251-5556

# VGC VANGEOCHEM LAB LIMITED

MAIN OFFICE  
~~1080 TRIUMPH ST.~~  
~~VANCOUVER, B.C. V6L 1K5~~  
• (604) 251-5658  
• FAX (604) 254-5717

BRANCH OFFICES  
PASADENA, N.F.L.D.  
BATHURST, N.B.  
MISSISSAUGA, ONT.  
RENO, NEVADA, U.S.A.

REPORT NUMBER: 906459 AA

JOB NUMBER: 906459

PRIME EQUITIES INC.

PAGE 2 OF 2

SAMPLE #	Ag oz/st	Au oz/st	
95786	<.01	<.005	1.0
95787	<.01	<.005	1.4
95788	.05	.194	0.5 } qtz carb vein
95789	.04	.124	0.5 } 5-20% py
95790	.03	<.005	1.0 } 1-2% py
95791	.04	<.005	1.5
95792	.05	.016	1.5 } ?
95793	.04	<.005	1.5
95794	.03	<.005	1.85

**DETECTION LIMIT**

1 Troy oz/short ton = 34.28 ppm

.01

1 ppm = 0.00011

.005

ppm = parts per million

< = less than

signed: \_\_\_\_\_



ICAF GEOCHEMICAL ANALYSIS

A .5 gram sample is digested with 5 ml of 3:1:2 HCl to HNO<sub>3</sub> to H<sub>2</sub>O at 95 °C for 90 minutes and is diluted to 1. ml with water.  
 This leach is partial for Al, Ba, Ca, Cr, Fe, K, Mg, Mn, Na, P, Sn, Sr and W.

ANALYST: *[Signature]*

REPORT #: 900459 PA PRIME EQUITIES INC. PROJECT: COLLINS DATE IN: SEPT 13 1990 DATE OUT: OCT 09 1990 ATTENTION: MR. JIM FOSTER PAGE 1 OF 1

Sample Name	Ag	Al	As	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Mo	Na	P	Pb	Sb	Sn	Sr	U	W	Zn	
	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	
95766	1.8	0.59	105	367	<3	1.36	1.1	5	47	165	2.76	0.17	0.50	1567	8	0.04	18	0.02	130	37	5	28	<5	<3	448
95767	0.6	0.38	<3	291	<3	1.13	<0.1	2	80	207	1.20	0.12	0.25	1244	2	0.01	10	0.01	26	<2	<2	26	<5	<3	80
95768	<0.1	0.28	<3	346	<3	0.80	<0.1	1	47	10	1.51	0.11	0.28	952	3	0.01	6	0.01	6	<2	<2	21	<5	<3	24
95769	<0.1	0.27	<3	807	<3	0.83	0.2	2	70	6	1.74	0.11	0.29	781	<1	0.02	4	0.01	2	<2	3	46	<5	<3	22
95770	0.8	0.24	<3	588	<3	0.65	<0.1	1	41	3	1.66	0.10	0.27	586	3	0.02	7	0.01	8	<2	<2	34	<5	<3	15
95771	0.7	0.24	<3	>1000	<3	1.00	<0.1	2	74	2	1.93	0.11	0.36	715	2	0.02	7	0.01	7	<2	2	81	<5	<3	17
95772	<0.1	0.26	<3	>1000	<3	0.90	<0.1	1	47	3	1.84	0.11	0.35	663	4	0.02	10	0.01	10	<2	3	75	<5	<3	16
95773	<0.1	0.31	<3	431	<3	1.39	<0.1	1	45	2	1.64	0.13	0.47	874	4	0.02	9	0.01	<2	<2	<2	38	<5	<3	11
95774	0.2	0.41	<3	869	<3	1.52	<0.1	2	82	7	1.91	0.15	0.46	1420	1	0.01	3	0.01	<2	<2	3	60	<5	<3	15
95775	0.6		<3	141	<3	1.59	<0.1	6	50	13	2.29	0.15	0.60	2255	4	<0.01	8	<0.01	3	<2	3	36	<5	<3	10
95776	0.3	0.37	<3	98	<3	1.73	<0.1	2	66	4	1.30	0.14	0.56	1551	1	<0.01	5	0.01	<2	<2	3	39	<5	<3	8
95777	<0.1	0.33	<3	515	<3	0.87	<0.1	2	39	18	1.38	0.11	0.32	1121	3	0.01	6	0.01	<2	<2	3	45	<5	<3	10
95778	<0.1	0.26	<3	565	<3	0.48	<0.1	2	79	2	1.87	0.09	0.25	630	3	0.02	5	0.01	2	<2	3	32	<5	<3	15
95779	<0.1	0.24	<3	457	<3	0.78	<0.1	1	42	2	1.80	0.10	0.30	1254	3	0.02	5	0.01	6	<2	2	34	<5	<3	13
95780	<0.1	0.41	<3	523	<3	1.61	<0.1	2	78	20	1.71	0.14	0.54	1874	1	0.01	8	0.01	<2	<2	2	44	<5	<3	12
95781	<0.1	0.30	<3	982	<3	1.01	<0.1	<1	46	3	1.87	0.11	0.35	996	4	0.02	4	0.01	<2	<2	2	60	<5	<3	15
95782	<0.1	0.24	<3	527	<3	0.71	<0.1	1	68	<1	1.81	0.08	0.28	757	2	0.02	6	0.01	<2	<2	<2	33	<5	<3	13
95783	<0.1	0.34	<3	>1000	<3	1.09	<0.1	2	41	6	1.69	0.11	0.38	1061	6	<0.01	7	0.01	<2	<2	2	64	<5	<3	10
95784	<0.1	0.38	<3	917	<3	1.55	<0.1	<1	79	43	1.47	0.13	0.51	1270	2	<0.01	5	0.01	<2	<2	2	52	<5	<3	8
95785	1.2	0.30	<3	15	<3	1.14	<0.1	14	62	1141	3.98	0.17	0.41	782	8	0.01	7	<0.01	23	4	4	30	<5	<3	9
95786	<0.1	0.38	<3	347	<3	0.92	<0.1	<1	77	19	1.38	0.10	0.31	954	2	<0.01	5	0.01	<2	<2	<2	36	<5	<3	10
95787	<0.1	0.30	<3	207	<3	0.87	<0.1	<1	39	23	1.31	0.09	0.32	812	5	<0.01	3	0.01	<2	<2	<2	28	<5	<3	11
95788	1.6	0.27	<3	10	<3	0.62	<0.1	15	92	486	5.50	0.17	0.21	624	7	0.01	7	<0.01	18	3	4	17	<5	<3	9
95789	1.3	0.26	<3	7	<3	2.49	<0.1	11	52	1046	6.15	0.28	0.75	2378	13	0.02	8	<0.01	24	13	5	38	<5	<3	18
95790	0.3	0.33	<3	253	<3	1.05	<0.1	2	67	281	1.20	0.10	0.40	846	2	<0.01	8	<0.01	<2	<2	<2	29	<5	<3	5
95791	0.2	0.28	<3	375	<3	1.06	<0.1	1	33	13	1.46	0.10	0.40	888	3	<0.01	6	0.01	<2	<2	2	34	<5	<3	12
95792	0.3	0.31	<3	193	<3	1.03	<0.1	3	70	10	1.91	0.10	0.38	836	2	0.01	3	<0.01	<2	<2	2	41	<5	<3	15
95793	0.1	0.25	<3	724	<3	0.99	<0.1	<1	39	6	1.45	0.09	0.34	814	3	<0.01	4	0.01	<2	<2	<2	58	<5	<3	12
95794	0.3	0.37	<3	335	<3	0.96	<0.1	1	82	201	1.15	0.09	0.33	875	5	<0.01	3	<0.01	<2	<2	<2	38	<5	<3	7

Minimum Detection 0.1 0.01 3 1 3 0.01 0.1 1 1 1 0.01 0.01 0.01 1 1 0.01 1 0.01 2 2 2 1 5 3 1  
 Maximum Detection 50.0 10.00 2000 1000 1000 10.00 1000.0 20000 1000 20000 10.00 10.00 10.00 20000 1000 10.00 20000 10.00 20000 2000 1000 10000 100 1000 20000  
 (< - Less Than Minimum) (> - Greater Than Maximum) is - Insufficient Sample ns - No Sample ANOMALOUS RESULTS - Further Analyses By Alternate Methods Suggested.


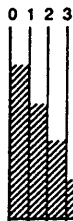
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**APPENDIX V**

**DIAMOND DRILL LOGS**

# PAMICON DEVELOPMENTS LIMITED

## DRILL LOG

PROJECT <i>Adrian Collins</i>	GROUND ELEV. <i>1354m</i>
HOLE NO. <i>AC 90-01</i>	BEARING <i>130°</i>
LOCATION <i>1+505</i>	DIP <i>-45°</i>
	TOTAL LENGTH <i>40.56m</i>
LOGGED BY <i>R. Gerhardt</i>	HORIZONTAL PROJECT
DATE <i>Aug 25/90</i>	VERTICAL PROJECT
CONTRACTOR <i>Falcon Drilling</i>	<b>ALTERATION SCALE</b> 
CORE SIZE <i>BQ</i>	
DATE STARTED <i>Aug 24 1990</i>	<b>TOTAL SULPHIDE SCALE</b> 
DATE COMPLETED <i>Aug 24 1990</i>	
DIP TESTS	
COMMENTS	LEGEND

DEPTH (m)	% CORE REC	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION					FRACTURE INTENSITY	% VEIN QTZ
					A	B	C	D	E		
				0.00-1.52 Casino							
				1.52-26.26 qtz monzodiorite							
				- med xln, med. pinkish to med. greenish grey. Comp 65-75% fsp, 10-20% mafics, 10-15% qtz. Weak bleaching, silicification and chloritic altin. locally moderate to strong. Local sericitic altin esp. in bleached zones. Xln texture locally weak to almost nonexistent. Fractures limonitic. <1% py, fine disse hem 1-3%							
				5.67-5.68 - 0.3cm wide qtz-dolo veinlet @ 36° TCA							
				15.01-15.33 - 25cm zone of bleached gouge material, sealed by 6cm zone of qtz-dolo boxwork							
				16.88-17.08 - 20cm boxwork of dolomite and sericite, w interstitial chlorite and hematite @ 37° TCA							
				22.26-25.72 - strong to intense qtz sericite altin & bleaching w loca qtz-dolo veinlets							
				22.73-22.76 - 3cm qtz-dolo vein @ 84° TCA w 3-5% each py & cpy dissem.							
				25.73-26.26 - 0.53m qv w minor dolo contacts ground structures @ w 80° TCA, 20-30% py locally 30-40% as blebs & elongate masses, <4% cpy							
				26.26-40.56 - altered silicified qtz monzodiorite							
				- strong bleaching, silicification, moderately sericitic. Strong chloritic altin w qtz dolomite veinlets 0.5-2cm wide, decr in frequency downhole. local hematitic and fuchsite (?) staining.							
				27.20-27.22 - 2cm qtz-dolo vein @ 76° TCA, 5-10% py as blebs & stringers							
				29.58-29.61 - 3cm qtz-dolo vein @ 75° TCA, 1-3% dissem py							
				30.25-30.40 - 15cm qtz-dolo vein @ 46° TCA, 3-5% py, 1-3% cpy							
				34.02-34.04 - qtz-dolo vein @ 85° TCA + 3% dissem py							
				36.80-36.82 - pair of 0.2cm qv @ 73° TCA w 1-3% dissem cpy							

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES			SAMPLE NUMBER	ASSAYS	
		FROM	TO	WIDTH		Ag %t	Au %t
<1% py		1.52	2.22	0.7	95501	0.01	<0.005
		2.22	3.52	1.3	95502	<0.01	<0.005
		3.52	5.02	1.5	95503	0.01	<0.005
		5.02	6.52	1.5	95504	<0.01	<0.005
		6.52	8.02	1.5	95505	<0.01	<0.005
		8.02	9.52	1.5	95506	<0.01	<0.005
		9.52	11.02	1.5	95507	<0.01	<0.005
		11.02	12.52	1.5	95508	0.02	<0.005
		12.52	14.02	1.5	95509	<0.01	<0.005
		14.02	15.52	1.5	95510	0.01	<0.005
3-5% py, cpy dissem		15.52	17.02	1.5	95511	0.02	<0.005
		17.02	18.52	1.5	95512	0.02	<0.005
		18.52	20.02	1.5	95513	0.01	<0.005
		20.02	21.52	1.5	95514	0.02	<0.005
		21.52	22.42	0.9	95515	0.04	<0.005
		22.42	23.42	1.0	95516	<0.01	<0.005
		23.42	24.72	1.3	95517	.02	<0.005
		24.72	26.02	1.3	95518	<0.01	<0.005
		26.02	26.67	0.65	95519	<0.01	<0.005
		26.67	27.67	1.0	95520	.01	<0.005
20-30, locally 30-40% py blebs, elongate masses		27.67	29.17	1.5	95521	.02	<0.005
		29.17	30.17	1.0	95522	.03	<0.005
		30.17	31.17	1.0	95523	.03	<0.005
		31.17	32.67	1.5	95524	<0.01	<0.005
		32.67	34.17	1.5	95525	.01	<0.005
		34.17	35.17	1.0	95526	.01	<0.005
		35.17	36.67	1.5	95527	<0.01	<0.005
		36.67	38.17	1.5	95528	.01	<0.005
		38.17	40.56	2.4	95529	<0.01	<0.005

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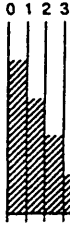
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40.56 T.D.

# PAMICON DEVELOPMENTS LIMITED

## DRILL LOG

PROJECT Adrian Collins	GROUND ELEV. 1354m
HOLE NO. AC-90-02	BEARING 130
LOCATION	DIP -65°
	TOTAL LENGTH 50.91m
LOGGED BY R. Gerhardt	HORIZONTAL PROJECT
DATE Aug 27 190	VERTICAL PROJECT
CONTRACTOR Falcon Drilling	<b>ALTERATION SCALE</b>  <ul style="list-style-type: none"> <li>absent</li> <li>slight</li> <li>moderate</li> <li>intense</li> </ul>
CORE SIZE BQ	
DATE STARTED	<b>TOTAL SULPHIDE SCALE</b>  <ul style="list-style-type: none"> <li>traces only</li> <li>&lt; 1%</li> <li>1% - 3%</li> <li>3% - 10%</li> <li>&gt; 10%</li> </ul>
DATE COMPLETED	
DIP TESTS	
COMMENTS	LEGEND



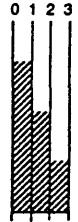
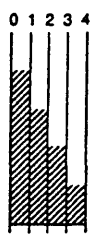
DEPTH (m)	% CORE REC	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION					FRACTURE INTENSITY	% VEIN QTZ
					A	B	C	D	E		
				0.00-1.52 casing							
				1.52-3.87 altered quartz monzodiorite - med. xln, light to med green, locally tinged pink. Composed 65-75% fspcr, 5-10% mafic (biotite), 10-20% fine xln qtz, scattered. qtz-dolo veinlets oriented primarily @ 50°-70° TCA weak to locally moderate qtz-sericite alt'n, bleaching, chloritic alt'n of mafics and hematitic staining.							
10m											
				23.78-23.79 - 0.1cm chloritic shear							
20m											
				26.74-26.76 - qtz dolo veinlet @ 69° TCA							
30m				30.87-50.91 - discreet zone of med. to locally strong bleaching, qtz-sericite alt'n, w distinct zones of strong chloritic alt'n							
				30.97-30.98 - 1cm qtz dolo veinlet @ 62° TCA							
				35.91-36.13 - 0.22m qv w minor dolo. 10-20 locally 20-30% py 25 coarse pitted actals & blebs 56° TCA							
				37.24-37.58 - 0.34m wtkly brecciated qtz dolo vein 3-5% dissems py, locally 10-20% 25 blebs @ 54° TCA							
40m				38.82-38.86 - 4cm dolo vein w minor qtz 1-2% fine dissems py & hem approx 1% dissems cpy @ 51° TCA							

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES			SAMPLE NUMBER	ASSAYS	
		FROM	TO	WIDTH		Ag o/t	Au o/t
		1.52	3.02	1.5	95530	.03	.010
		3.02	4.52	"	" 31	<.01	<.005
		4.52	6.02	"	" 32	.03	<.005
		6.02	7.52	"	" 33	<.01	<.005
		7.52	9.02	"	" 34	.03	<.005
		9.02	10.52	"	" 35	.04	<.005
		10.52	12.02	"	" 36	.03	.006
		12.02	13.52	"	" 37	.02	<.005
		13.52	15.02	"	" 38	.01	<.005
		15.02	16.52	"	" 39	<.01	<.005
		16.52	18.02	"	" 40	.02	<.005
		18.02	19.52	"	" 41	<.01	<.005
		19.52	21.02	"	" 42	.02	<.005
		21.02	22.52	"	" 43	.01	<.005
		22.52	24.02	"	" 44	<.01	<.005
		24.02	25.52	"	" 45	<.01	<.005
		25.52	27.02	"	" 46	<.01	<.005
		27.02	28.52	"	" 47	<.01	<.005
		28.52	30.02	"	" 48	<.01	<.005
		30.02	31.52	"	" 49	<.01	<.005
		31.52	33.02	"	" 50	.02	<.005
		33.02	34.52	"	" 51	<.01	<.005
		34.52	35.52	1.0	" 52	<.01	<.005
		35.52	36.52	1.0	" 53	.03	<.005
		36.52	37.52	1.0	" 54	<.01	<.005
		37.52	38.52	1.0	" 55	<.01	<.005
		38.52	39.52	1.0	" 56	.02	<.005
		39.52	41.02	1.5	" 57	<.01	<.005
		41.02	42.52	"	" 58	.01	<.005
		42.52	44.02	"	" 59	<.01	<.005
		44.02	45.52	"	" 60	<.01	<.005



# PAMICON DEVELOPMENTS LIMITED

## DRILL LOG

PROJECT Adrian Collins	GROUND ELEV. 1311m
HOLE NO. AC 90-03	BEARING 112°
LOCATION	DIP -55°
	TOTAL LENGTH 7556m
LOGGED BY R. Gerhardt	HORIZONTAL PROJECT
DATE Aug 30 190	VERTICAL PROJECT
CONTRACTOR Falcon Drilling	<b>ALTERATION SCALE</b> 
CORE SIZE BQ	
DATE STARTED	<b>TOTAL SULPHIDE SCALE</b> 
DATE COMPLETED	
DIP TESTS	
COMMENTS	LEGEND

DEPTH (m)	% CORE REC	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION					FRACTURE INTENSITY	% VEIN QTZ
					A	B	C	D	E		
0.00-1.52				Casing							
1.52-76.00				altered Qtz monzonite							
				- fine xln, sugrosic texture. Comp. 65-75% fspar, 20-30% Qtz, 0-10% mafics. Mod bleached, sericitic, wkly-mod. silicified. Weak chloritic alt'n of mafics, upper 30m weak limonitic staining. Pervasive Qtz-dol-ankerite veining. <1% py.							
15.68-15.69				0.5cm ankerite vein @ 47° TCA							
18.44-18.46				2cm Qtz-ankerite vein @ 76° TCA, ~ 1% disseminated py							
26.09-26.10				weak shear @ 9° TCA							
32.37-32.42				5cm of bleached gouge @ 65° TCA							
39.46-39.51				5cm Qtz-ankerite vein @ 53° TCA							
41.07-41.10				3cm ankerite vein @ 56° TCA							

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES			SAMPLE NUMBER	ASSAYS	
		FROM	TO	WIDTH		Ag of t	Au of t
		1.52	3.02	1.5	95564	.01	<.005
		3.02	6.02	3.0	" 65	<.01	<.005
		6.02	7.52	1.5	" 66	.01	<.005
		7.52	9.02	"	" 67	<.01	<.005
		9.02	10.52	"	" 68	.01	<.005
		10.52	12.02	"	" 69	<.01	<.005
		12.02	13.52	"	" 70	.04	<.005
		13.52	15.02	"	" 71	<.01	<.005
		15.02	16.52	"	" 72	.04	<.005
		16.52	18.02	"	" 73	<.01	<.005
		18.02	19.52	"	" 74	<.01	<.005
		19.52	21.02	"	" 75	.03	<.005
		21.02	22.52	"	" 76	<.01	<.005
		22.52	24.02	"	" 77	.02	<.005
		24.02	25.52	"	" 78	<.01	<.005
		25.52	27.02	"	" 79	.02	<.005
		27.02	28.52	"	" 80	.01	<.005
		28.52	30.02	"	" 81	.01	<.005
		30.02	31.52	"	" 82	<.01	<.005
		31.52	33.02	"	" 83	<.01	<.005
		33.02	34.52	"	" 84	<.01	<.005
		34.52	36.02	"	" 85	<.01	<.005
		36.02	37.52	"	" 86	.04	<.005
		37.52	39.02	"	" 87	.02	<.005
		39.02	40.52	"	" 88	.01	<.005
		40.52	42.02	"	" 89	<.01	<.005
		42.02	43.52	"	" 90	<.01	<.005
		43.52	45.02	"	" 91	<.01	<.005

<1% py

DEPTH (m)	% CORE REC	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION					FRACTURE INTENSITY	% VEIN QTZ
					A	B	C	D	E		
47.02				0.5cm qv, chlorite bounded @ 37° TCA							
56.21				0.3cm Sericitic, chloritic shear @ 28° TCA, wkly brecciated							
56.22				Strong bleaching, Sericitic alt'n, w locally strong carb alt'n as crackle breccia + qtz as well as sections of brecciated gouge.							
58.27				siliceous crackle breccia w ankerite matrix							
59.16				10cm brecciated fault gouge, kaolinitic matrix @ 24° TCA							
59.96				10cm brecciated fault gouge as above @ 60° TCA							
63.07				9cm fractured, wkly brecciated qtz-chl-ank @ 51° TCA vein							
72.06				boxwork ankerite							

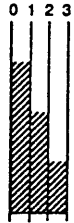

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MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES			SAMPLE NUMBER	ASSAYS		
		FROM	TO	WIDTH		Ag o/t	Au o/t	
		45.02	46.52	1.5	95592	.01	<.005	
		46.52	48.02	"	" 93	.01	<.005	
		48.02	49.52	"	" 94	.04	<.005	
		49.52	51.02	"	" 95	.04	<.005	
		51.02	52.52	"	" 96	.02	<.005	
		52.52	54.02	"	" 97	<.01	<.005	
		54.02	55.52	"	" 98	<.01	<.005	
		55.52	57.02	"	" 99	.01	<.005	
		57.02	58.52	"	95600	<.01	<.005	
		58.52	60.02	"	" 01	.01	<.005	
		60.02	61.52	"	" 02	.02	<.005	
		61.52	63.02	"	" 03	.02	<.005	
		63.02	64.52	"	" 04	<.01	<.005	
		64.52	65.52	1.0	" 05	<.01	<.005	
		65.52	67.02	1.5	" 06	.04	<.005	
		67.02	68.52	"	" 07	.03	<.005	
		68.52	70.02	"	" 08	.04	<.005	
		70.02	71.52	"	" 09	<.01	<.005	
		71.52	73.02	"	" 10	<.01	<.005	
		73.02	75.56	2.5	" 11	<.01	<.005	
		EOLH						

KL100py

# PAMICON DEVELOPMENTS LIMITED

## DRILL LOG

PROJECT Adrian Collins	GROUND ELEV. 1268m
HOLE NO. 90-04	BEARING 130°
LOCATION (A26 staving)	DIP -45°
	TOTAL LENGTH 32.31m
LOGGED BY R. Gerhardt	HORIZONTAL PROJECT
DATE Sept 1 190	VERTICAL PROJECT
CONTRACTOR Falcon Drilling	<b>ALTERATION SCALE</b>  <ul style="list-style-type: none"> <li>absent</li> <li>slight</li> <li>moderate</li> <li>intense</li> </ul>
CORE SIZE BQ	
DATE STARTED	
DATE COMPLETED Aug 28	<b>TOTAL SULPHIDE SCALE</b>  <ul style="list-style-type: none"> <li>traces only</li> <li>&lt; 1%</li> <li>1% - 3%</li> <li>3% - 10%</li> <li>&gt; 10%</li> </ul>
DIP TESTS	
COMMENTS	LEGEND

DEPTH (m)	% CORE REC	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION					FRACTURE INTENSITY	% VEIN QTZ
					A	B	C	D	E		
				0.00-1.52 casing							
				1.52-32.31 qtz monzonitic - leucocratic med xln equigranular. Comp 40-80% fsp + 15-25% qtz 0-5% mafics. Pervasive mod potassic alt'n local strong chloritic and wk seritic alt'n + spec hematite along fractures.							
				4.27-4.33 - 6cm chloritic, weakly brecciated gouge @ 74° TCA w 5-10% spec hematite.							
10				5.10-5.15 - 5cm discreet qtz-ank vein w 3-5% dissem py & chlorite spec hem bordered							
				7.99-8.03 4cm ankerite vein w minor qtz @ 68° TCA w 3-5% dissem py, chloritic alt'n @ contacts							
				10.50-14.08 - pervasive mod. chloritic alt'n, qtz-carb veining							
				10.62-10.68 - discreet 6cm qv w minor carb, 5-10% py @ 74° TCA							
				11.24-11.37 - 13cm banded qv w 5-10% dissem py, ~1% cpy							
20				13.99-14.02 - 3cm ankerite vein @ 69° TCA w approx 1-3% py							
				18.39-18.41 - 2cm ankerite vein @ 53° TCA							
				26.52-26.55 - 2.5cm qtz-carb-chl vein @ 78° TCA w 5-8% fine dissem py & 1-3% fine dissem cpy							

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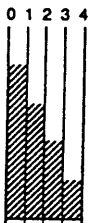
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MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES			SAMPLE NUMBER	ASSAYS	
		FROM	TO	WIDTH		Ag o/t	Au o/t
		1.52	3.02	1.5	9502	.01	<.005
← 10% py		3.02	4.52	"	" 13	.02	<.005
		4.52	6.02	"	" 14	.02	<.005
		6.02	7.52	"	" 15	<.01	<.005
		7.52	9.02	"	" 16	.02	.010
		9.02	10.52	"	" 17	.03	.012
qv w 3-10% py		10.52	11.52	1.0	" 18	.03	.024
		11.52	13.02	1.5	" 19	.03	.014
		13.02	14.52	"	" 20	.02	.010
		14.52	16.02	"	" 21	<.01	<.005
		16.02	17.52	"	" 22	<.01	<.005
		17.52	19.02	"	" 23	<.01	<.005
		19.02	20.52	"	" 24	.03	<.005
		20.52	22.02	"	" 25	.02	<.005
		22.02	23.52	"	" 26	<.01	<.005
		23.52	25.02	"	" 27	.02	<.005
		25.02	26.52	"	" 28	<.01	<.005
		26.52	28.02	"	" 29	<.01	<.005
		28.02	29.52	"	" 30	.03	.010
		29.52	32.31	2.8	" 31	.04	<.005

# PAMICON DEVELOPMENTS LIMITED

## DRILL LOG

PROJECT Aberdeen Collins	GROUND ELEV. 1327m
HOLE NO. AC 90-05	BEARING 145°
LOCATION (A 49 setup)	DIP - 45°
	TOTAL LENGTH 3.23m
LOGGED BY R. Gardner	HORIZONTAL PROJECT
DATE Sept 2/90	VERTICAL PROJECT
CONTRACTOR Falcon Drilling	<b>ALTERATION SCALE</b>  <ul style="list-style-type: none"> <li>0 absent</li> <li>1 slight</li> <li>2 moderate</li> <li>3 intense</li> </ul>
CORE SIZE BQ	
DATE STARTED Aug 29	
DATE COMPLETED Aug 2	
DIP TESTS	<b>TOTAL SULPHIDE SCALE</b>  <ul style="list-style-type: none"> <li>0 traces only</li> <li>1 &lt; 1%</li> <li>2 1% - 3%</li> <li>3 3% - 10%</li> <li>4 &gt; 10%</li> </ul>
COMMENTS	





DEPTH (m)	% CORE REC	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION					FRACTURE INTENSITY	% VEIN QTZ
					A	B	C	D	E		
0.00-1.52				casing							
1.52-29.33				qtz monzoniorite - med xln, leucocratic, equigranular Comp 65 = 75% f-spar, 10-15% fine xln qtz, 5-15% mafics, 1-3% dissem. hematite. Pervasive med. sericitic and weak potassic alt'n, local med chloritic alt'n. Upper 20cm limonitic along fractures. Isolated qtz-carb veining, <1% py							
15.54-15.55				one of several 0.2cm or less carb stringers @ 57° TCA							
19.63-19.75				1cm of fault gouge bounded by 12cm of ... carb breccia							
22.36-22.49				13cm strongly chloritic zone, 2cm a/c. 39° TCA w 2-4% fine dissem py							
23.09-24.17				18cm of qtz-dil carb fault breccia @ 31° TCA							
26.20-26.21				1cm ankerite vein w minor qtz @ 40° TCA							
31.83-31.84				0.5cm ankerite vein @ 50° TCA, followed by 4cm of strong chloritic alt'n & breccia, decr in intensity down hole							
39.33-40 TD											

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES			SAMPLE NUMBER	ASSAYS	
		FROM	TO	WIDTH		Ag %	Au %
		1.52	3.02	1.5	95632	.01	<.005
		3.02	4.52	"	95633	<.01	<.005
<1% py		4.52	6.02	"	34	<.01	<.005
		6.02	7.52	"	35	.02	<.005
		7.52	9.02	"	36	<.01	<.005
		9.02	10.52	"	37	.03	<.005
		10.52	12.02	"	38	<.01	<.005
		12.02	13.52	"	39	<.01	<.005
		13.52	15.02	"	40	.02	<.005
		15.02	16.52	"	41	<.01	<.005
		16.52	18.02	"	42	.03	.010
		18.02	19.52	"	43	<.01	<.005
		19.52	21.02	"	44	.02	<.005
		21.02	22.52	"	45	<.01	<.005
		22.52	23.52	1.0	46	.04	<.005
		23.52	25.02	1.5	47	<.01	<.005
		25.02	26.52	"	48	.02	<.005
		26.52	28.02	"	49	.02	<.005
		28.02	29.52	"	50	.01	<.005
		29.52	31.02	"	51	.02	<.005
		31.02	32.52	"	52	.02	<.005
		32.52	34.02	"	53	.01	<.005
		34.02	35.52	"	54	.02	<.005
		35.52	37.02	"	55	.03	.008
		37.02	39.33	2.3	95656	.01	<.005

# PAMICON DEVELOPMENTS LIMITED

## DRILL LOG

PROJECT Adrian Collins	GROUND ELEV. 1337m
HOLE NO. AC 90-06	BEARING 145°
LOCATION (A 49 setup)	DIP -65°
	TOTAL LENGTH 39.63m
LOGGED BY R. Garhardt	HORIZONTAL PROJECT
DATE Sept 6 / 90	VERTICAL PROJECT
CONTRACTOR Falcon Drilling	<p><b>ALTERATION SCALE</b></p>  <p>absent slight moderate intense</p>
CORE SIZE BQ	
DATE STARTED Aug 29	
DATE COMPLETED Aug 29	
DIP TESTS	
COMMENTS	<p><b>TOTAL SULPHIDE SCALE</b></p>  <p>traces only &lt; 1% 1% - 3% 3% - 10% &gt; 10%</p>
	LEGEND

DEPTH (m)	% CORE REC	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION					FRACTURE INTENSITY	% VEIN QTZ
					A	B	C	D	E		
				0.00-1.52 casing							
				1.52-29.63 - gtd monzodiorite - medium xln leucocratic equigranular comp 65-75% fspcr, 5-15% mafics, 10-15% fine xln qtz locally ~1% dissec spec hematite pervasive weak sericitic altin, locally wk-mol chloritic & potassic altin & bleaching. <1% py							
				10.45-10.46 0.5cm chl-carb vein @ 63° TCA							
				15.46-15.47 - 0.6cm gv @ 54° TCA							
				18.74-18.75 - 0.6cm gouge filled shear @ 28° TCA, followed by 1m of broken core							
				26.27-26.29 - 1.5cm of chloritic-hematitic fault breccia @ 11° TCA							
				31.70-31.71 - 0.8cm carb-chl vein @ 62° TCA							
				33.37-33.39 - 1.8cm carb-qtz-chl vein @ 75° TCA							
				35.01-38.33 - mol. strong chl altin, qtz-carb veining, py 1-3% locally 10-25% in bands and veins, 10 cpy, specular hematite filling fractures consistently over 2/3 of interval.							
				35.17-35.41 - gv, 20-25% py as 1cm partial bands @ 27° TCA, and bleed 1-3% cpy as same							
				38.18-38.19 - 1cm carb vein @ 22° TCA, underlain by spec hematite							
				39.63 EOH							

10

20

30

39.63 TO 40

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES			SAMPLE NUMBER	ASSAYS	
		FROM	TO	WIDTH		Ag g/t	Au g/t
		1.52	3.02	1E	95687	<.01	<.005
		3.02	4.52	1E	" 58	<.01	<.005
		4.52	6.02	"	" 59	<.01	<.005
		6.02	7.52	"	" 60	.02	<.005
		7.52	9.02	"	" 61	<.01	<.005
		9.02	10.52	"	" 62	.02	<.005
		10.52	12.02	"	" 63	.04	.006
		12.02	13.52	"	" 64	.02	<.005
		13.52	15.02	"	" 65	.04	.010
		15.02	16.52	"	" 66	<.01	<.005
		16.52	18.02	"	" 67	.01	<.005
		18.02	19.52	"	" 68	.03	<.005
		19.52	21.02	"	" 69	.02	<.005
		21.02	22.52	"	" 70	<.01	<.005
		22.52	24.02	"	" 71	.01	<.005
		24.02	25.52	"	" 72	.01	<.005
		25.52	27.02	"	" 73	.03	<.005
		27.02	28.52	"	" 74	.04	<.005
		28.52	30.02	"	" 75	.03	<.005
		30.02	31.52	"	" 76	.03	<.005
		31.52	33.02	"	" 77	.05	.010
		33.02	34.52	"	" 78	.04	<.005
		34.52	35.52	1.0	" 79	.05	.132
		35.52	36.52	1.0	" 80	.05	.070
		36.52	37.52	1.0	" 81	.05	.012
		37.52	38.52	1.0	" 82	.01	<.005
		38.52	31.62	1.1	95683	<.01	<.005



20-30% py  
1-3% py



<< 1% py

# PAMICON DEVELOPMENTS LIMITED

## DRILL LOG

PROJECT Adrian Collins	GROUND ELEV. 1315m
HOLE NO. AC 90-07	BEARING 140°
LOCATION (A 33 setup)	DIP -45°
	TOTAL LENGTH 46.65m
LOGGED BY R. Gerhardt	HORIZONTAL PROJECT
DATE Sept 3 190	VERTICAL PROJECT
CONTRACTOR Falcon Drilling Ltd.	ALTERATION SCALE
CORE SIZE BQ	 <ul style="list-style-type: none"> <li>absent</li> <li>slight</li> <li>moderate</li> <li>intense</li> </ul>
DATE STARTED Aug 30	
DATE COMPLETED Aug 31	TOTAL SULPHIDE SCALE
DIP TESTS	 <ul style="list-style-type: none"> <li>traces only</li> <li>&lt; 1%</li> <li>1% - 3%</li> <li>3% - 10%</li> <li>&gt; 10%</li> </ul>
COMMENTS	LEGEND

DEPTH (m)	% CORE REC	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION					FRACTURE INTENSITY	% VEIN QTZ
					A	B	C	D	E		
				0.00 - 1.52 casing							
				1.52 - 16.80 qtz monzodiorite - med xln, equigranular, leucocratic. Intermittently grades into coarser xln qtz diorite, w an increase in mafic content at expense of qtz & f-spar. Comp of monzodiorite 65-75% f-spar, 0-10% mafics, 10-20% qtz; comp of qtz diorite 60-70% f-spar, 15-25% mafics, 5-15% qtz. Rel. massive. Perseverive weak locally med. propylitic ethn of plag and mafics pervasive w/ hematization & potassic ethn, local moderate bleaching							
10											
				16.80 - 31.74 qtz diorite - med - coarse xln, locally grades into qtz monzodiorite. Comp: 55-65% f-spar, 20-30% mafics, 5-15% qtz. Rel. massive, local wk propylitic ethn of mafics & plag, local wk hematization. Approx 1% disseminated hematite. <1% dissem. py.							
20				20.70 - 20.71 - 0.2 cm hematized shear @ 33° TCA							
				25.53 - 25.55 - hematized shear @ 35° TCA							
				27.19 - 27.21 - 2.0cm hematized fault trace @ 77° TCA							
30											
				31.74 - 46.65 qtz monzodiorite - as 1.52 - 16.80, except doesn't grade to qtz diorite. Additionally, local med bleaching and chloritic ethn							
				34.46 - 34.47 - 0.2cm w/ky shear w/ chloritic qtz vein @ 33° TCA							
40											
				39.54 - 39.55 - 10cm ankerite vein w minor qtz @ 44° TCA							
				43.92 - 43.93 - 0.3cm qtz-ankerite vein @ 70° TCA							

TD 12.65.

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES			SAMPLE NUMBER	ASSAYS	
		FROM	TO	WIDTH		Ag %	Au %
		1.52	3.02	1.5	95684	0.01	<0.005
		3.02	4.52	"	95685	0.01	<0.005
		4.52	6.02	"	86	<0.01	"
		6.02	7.52	"	87	"	"
		7.52	9.02	"	88	"	"
		9.02	10.52	"	89	0.04	"
		10.52	12.02	"	90	<0.01	"
		12.02	13.52	"	91	0.03	0.006
		13.52	15.02	"	92	<0.01	<0.005
		15.02	16.52	"	93	0.01	"
		16.52	18.02	"	94	<0.01	"
		18.02	19.52	"	95	"	"
		19.52	21.02	"	96	"	"
		21.02	22.52	"	97	0.02	"
		22.52	24.02	"	98	0.02	"
		24.02	25.52	"	99	<0.01	"
		25.52	27.02	"	95700	0.01	"
		27.02	28.52	"	701	0.01	"
		28.52	30.02	"	02	<0.01	"
		30.02	31.52	"	03	<0.01	"
		31.52	33.02	"	04	0.02	"
		33.02	34.52	"	05	<0.01	"
		34.52	36.02	"	06	0.03	"
		36.02	37.52	"	07	<0.01	"
		37.52	39.02	"	08	0.02	"
		39.02	40.52	"	09	0.03	"
		40.52	42.02	"	10	0.02	"
		42.02	43.52	"	11	<0.01	"
		43.52	45.02	"	12	"	"
		45.02	46.65	1.65	95713	0.01	<0.005

N2/E2

MADE IN VANCOUVER, CANADA

# PAMICON DEVELOPMENTS LIMITED

## DRILL LOG

PROJECT Adrian Collins	GROUND ELEV. 1319m
HOLE NO. AC 90-08	BEARING 140°
LOCATION TA33 setup	DIP -45°
	TOTAL LENGTH 51.53m
LOGGED BY R. Gerhardt	HORIZONTAL PROJECT
DATE Sept 5/90	VERTICAL PROJECT
CONTRACTOR Falcon Drilling	<b>ALTERATION SCALE</b> 
CORE SIZE BQ	
DATE STARTED Aug 31	<b>TOTAL SULPHIDE SCALE</b> 
DATE COMPLETED Sept 1	
DIP TESTS	
COMMENTS	LEGEND

DEPTH (m)	% CORE REC	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION					FRACTURE INTENSITY	% VEIN QTZ
					A	B	C	D	E		
				0.00-1.52 casing							
				1.52-25.19 -- Qtz diorite - med to coarse xln, equigranular, w local gradation into leucocratic Qtz monzodiorite. Comp. 60-70% f-spar, 15-25% mafics, 10-15% fine gr. Qtz. Pervasive weak chloritic altin of mafics, weak potassic altin of hematization. Rel. massive, little Qtz-carb veining. Approx 1% disseminated hematite. < 1% pyrite.							
10				11.15-11.16 - hematite-carb-chl shear @ 42° TCA							
20											
30				25.19-51.53 - Qtz monzodiorite - med xln, equigranular w local gradation into coarser, mafic rich Qtz diorite. Contact gradational. Comp. 65-75% f-spar, 10-15% mafics, 10-20% Qtz. Pervasive med. potassic altin, local weak chloritic altin of mafics, local moderate hematization. Slight increase in calc altin (veining), 1% disseminated hematite. < 1% pyrite.							
40				36.14-36.16 - 1.5cm Qtz-chl-carb-hem shear @ 70° TCA.							

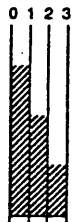

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES			SAMPLE NUMBER	ASSAYS	
		FROM	TO	WIDTH		Ag g/t	Au g/t
		1.52	3.02	1.5	7514	<0.01	<0.005
		3.02	4.52	"	15	"	"
		4.52	6.02	"	16	0.02	"
		6.02	7.52	"	17	0.01	"
		7.52	9.02	"	18	<0.01	"
		9.02	10.52	"	19	"	"
		10.52	12.02	"	20	0.02	"
		17.02	13.52	"	21	<0.01	"
		13.52	15.02	"	22	0.01	"
		15.02	16.52	"	23	"	"
		16.52	18.02	"	24	<0.01	"
		18.02	19.52	"	25	"	"
		19.52	21.02	"	26	"	"
		21.02	22.52	"	27	0.02	"
		22.52	24.02	"	28	0.01	"
		24.02	25.52	"	29	<0.01	"
		25.52	27.02	"	30	0.02	"
		27.02	28.52	"	31	0.02	"
		28.52	30.02	"	32	"	"
		30.02	31.52	"	33	0.01	"
		31.52	33.02	"	34	<0.01	"
		33.02	34.52	"	35	"	"
		34.52	36.02	"	36	"	"
		36.02	37.52	"	37	"	"
		37.52	39.02	"	38	"	"
		39.02	40.52	"	39	0.03	"
		40.52	42.02	"	40	<0.01	"
		42.02	43.52	"	41	0.01	"
		43.52	45.02	"	42	<0.01	"





# PAMICON DEVELOPMENTS LIMITED

## DRILL LOG


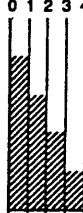
PROJECT Adrian Collins	GROUND ELEV. 1279m
HOLE NO. AC 90-09	BEARING 160°
LOCATION (A.31 setup)	DIP -45°
	TOTAL LENGTH 29.27m
LOGGED BY R. Gerhardt	HORIZONTAL PROJECT
DATE Sept 5 190	VERTICAL PROJECT
CONTRACTOR Falcon Drilling	<b>ALTERATION SCALE</b>  absent slight moderate intense
CORE SIZE BQ	
DATE STARTED Sept 1	
DATE COMPLETED Sept 1	
DIP TESTS	<b>TOTAL SULPHIDE SCALE</b>  traces only < 1% 1% - 3% 3% - 10% > 10%
COMMENTS	
	LEGEND

DEPTH (m)	% CORE REC	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION					FRACTURE INTENSITY	% VEIN QTZ
					A	B	C	D	E		
				0.00-3.05 casing							
				3.05-29.27 altered quartz monzodiorite							
				- med xln, augitic granular Comp 65-75%							
				f-spar, 10-20% fine xln qtz, 0-10% mafics							
				Weak to locally strong bleaching, silic'n and							
				sericitic alteration, local med to strong chloritic							
				alt'n, locally med. hematization and feldspar							
				alt'n. Residual carb veining, <1% hem,							
				locally as specular bands, <1% dissem py.							
				8.08-8.17 - 9m silic'd carb vein							
				@ 43° TCA, 1-3% fine dissem py							
				10.32-10.34 - 1.3cm qtz-carb vein							
				@ 78° TCA, in 20m interval containing							
				1-2% fine dissem py, ≤ 1% cal							
				12.04-12.05 - 0.7cm carb vein @							
				44° TCA							
				15.09-15.11 - 20cm qtz-carb-chl-							
				hem vein @ 54° TCA							
				19.52-19.54 - 20cm band of spar							
				hematite @ 77° TCA, w 2-4% py as							
				qtz-py selvage.							
				23.44-25.36 - interval of med to							
				strong chloritic alt'n & silic'n w							
				mineralized qtz-carb veins, 1-2m							
				th throughout, locally higher.							
				23.50-23.53 - 2.5cm qv w 30-50%							
				massive py @ 65° TCA							
				23.65-23.99 - 34cm qv @ 79° TCA							
				w 30-50% massive py, locally 3-5%							
				massive cpv							
				24.71-24.72 - 1cm qv @ 61° TCA,							
				20-30% massive py							
				25.22-25.28 - 0.5cm & 0.7cm qvs							
				5cm spert @ 74° TCA, w 30-40% py,							
				1-3% cpv							

PAGE 16 OF 1		PROJECT: Adrian Collins		HOLE NO. 9009			
MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES			ASSAYS		
		FROM	TO	WIDTH	SAMPLE NUMBER	Ag %t	Au %t
		3.05	4.55	1.5	95747	0.01	<0.005
		4.55	6.05	"	" 48	"	"
<1% dissem py		6.05	7.55	"	" 49	"	"
		7.55	9.05	"	" 50	0.01	"
		9.05	10.55	"	" 51	0.03	0.010
		10.55	12.05	"	" 52	<0.01	<0.005
		12.05	13.55	"	" 53	0.03	"
		13.55	15.05	"	" 54	0.02	"
		15.05	16.55	"	" 55	<0.01	"
		16.55	18.05	"	" 56	0.01	"
		18.05	19.65	1.6	" 57	<0.01	"
py elevated		19.65	20.65	1.0	" 58	0.01	"
locally to		20.65	22.15	1.5	" 59	<0.01	"
30-50%							
in qv		22.15	23.65	1.5	" 60	"	"
1-3% cpv	qv 20-50% py	23.65	24.15	0.5	" 61	0.31	0.602
		24.15	25.15	1.0	" 62	0.04	0.016
		25.15	26.15	1.0	" 63	0.03	0.024
		26.15	27.65	1.5	" 64	0.01	>0.005
		27.65	29.27	1.65	" 65	<0.01	"

# PAMICON DEVELOPMENTS LIMITED

## DRILL LOG

PROJECT Adrian Collins	GROUND ELEV. 1279m
HOLE NO. AC90-10	BEARING 160°
LOCATION (A 31 setup)	DIP -65°
	TOTAL LENGTH 41.77m
LOGGED BY R. Gerhardt	HORIZONTAL PROJECT
DATE Sept 5/90	VERTICAL PROJECT
CONTRACTOR Falcon Drilling	<b>ALTERATION SCALE</b>  <ul style="list-style-type: none"> <li>absent</li> <li>slight</li> <li>moderate</li> <li>intense</li> </ul>
CORE SIZE BQ	
DATE STARTED Sept 2	
DATE COMPLETED Sept 2	
DIP TESTS	<b>TOTAL SULPHIDE SCALE</b>  <ul style="list-style-type: none"> <li>traces only</li> <li>&lt; 1%</li> <li>1% - 3%</li> <li>3% - 10%</li> <li>&gt; 10%</li> </ul>
COMMENTS	

DEPTH (m)	% CORE REC	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION					FRACTURE INTENSITY	% VEIN QTZ
					A	B	C	D	E		
				0.00-3.05 = casing							
				3.05-41.77 - altered qtz monzodiorite - med xln, leucocratic, equigranular. Comp 70-80% fsp, 10-20% fine xln qtz, 0-5% mafics. Pervasive med-strong silicification, sericitic altin, locally mod. strong chloritic altin; locally mod. bleaching potassic altin. Pervasive qtz-carb veining from 10 m down. Approx 1% dissem. hematite, < 1% dissem py, locally to 1% in chloritized zones.							
				5.73-5.74 - 0.5cm qtz-carb vein @ 77° TCA							
				11.43-11.46 - 3.0cm qtz-ankerite vln @ 66° TCA							
				17.10-17.13 - 3.0cm qtz-carb multiphase vein, 1-3% spch hem, 1-3% v fine dissem py							
				17.75-17.76 - 1.0cm qtz carb vein w 2-4% py selvage							
				24.03-24.06 - 2.5cm carb vein w minor qtz @ 63° TCA, 1% dissem hem, 1-3% v fine dissem py							
				28.42-28.43 - 0.4cm carb vein @ 53° TCA, w 1-3% hem, py selvage							
				29.31-29.32 - 0.7cm chloritic, hematitic shear @ 33° TCA							
				30.32-30.82 - 50 cm qtz vein, minor carb, lesser chrt. 2-5% py, locally 5-15% dissem andes blebs, w 1% cpy. top contact @ 24° TCA, lower broken.							
				33.62-34.40 - 78cm qtz-carb vein, top contact @ 63° TCA, lower contact @ 60° TCA. Qtz-carb interm. th. w strongly chloritic wallrock remnants. 5-20% py dissem & as blebs & as masses up to 1.5cm dia. 1-2% cpy. Followed by 1m silic'd wallrock & strong chl-carb altin, 1-3% py, 5% cpy.							
				34.51-34.57 - 6cm qtz-carb vein w minor qtz @ 63° TCA, 2-3% py selvage							
				38.28-38.34 - 6cm qtz w minor carb @ 66° TCA, 5-10% dissem py & as blebs							
				41.77 End							

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES			SAMPLE NUMBER	ASSAYS	
		FROM	TO	WIDTH		Ag g/g	Aw g/g
		3.05	4.55	1.5	95766	.04	.008
		4.55	6.05	"	67	.04	<.005
		6.05	7.55	"	68	<.01	<.005
		7.55	9.05	"	69	.02	<.005
		9.05	10.55	"	70	<.01	<.005
		10.55	12.05	"	71	<.01	<.005
		12.05	13.55	"	72	<.01	<.005
		13.55	15.05	"	73	<.01	<.005
		15.05	16.55	"	74	<.01	<.005
		16.55	17.55	1.0	75	.03	<.005
		17.55	19.05	1.5	76	<.01	<.005
		19.05	20.55	1.5	77	<.01	<.005
		20.55	22.05	1.5	78	.01	<.005
		22.05	23.55	1.5	79	.02	<.005
		23.55	24.55	1.0	80	.02	<.005
		24.55	26.05	1.5	81	<.01	<.005
		26.05	27.55	"	82	<.01	<.005
		27.55	29.05	1.5	83	<.01	<.005
		29.05	30.05	1.0	84	<.01	<.005
		30.05	31.05	1.0	85	.09	.144
		31.05	32.05	1.0	86	<.01	<.005
		32.05	33.45	1.4	87	<.01	<.005
		33.45	33.95	0.5	88	.05	.194
		33.95	34.45	0.5	89	.04	.124
		34.45	35.45	1.0	90	.03	<.005
		35.45	36.95	1.5	91	.04	<.005
		36.95	38.45	1.5	92	.05	.016
		38.45	39.95	1.5	93	.04	<.005
		39.95	41.77	1.85	94	.03	<.005

**APPENDIX VI**

**STATEMENT OF QUALIFICATIONS**

STATEMENT OF QUALIFICATIONS

I, STEVE L. TODORUK, of 5700 Surf Circle, Sechelt, in the Province of British Columbia, DO HEREBY CERTIFY:

1. THAT I am a Geologist in the employment of Pamicon Developments Limited, with offices at Suite 711, 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 my primary employment since 1979 has been in the field of mineral exploration.
4. THAT my experience has encompassed a wide range of geologic environments and has allowed considerable familiarization with prospecting, geophysical, geochemical and exploration drilling techniques.
5. THAT this report is based on data generated by myself, under the direction of Charles K. Ikona, Professional Engineer.
6. THAT I have no interest in the property described herein, nor in securities of any company associated with the property, nor do I expect to acquire any such interest.
7. THAT I hereby grant permission to Collins Resources Ltd./Adrian Resources Ltd. for the use of this report in a Prospectus or Statement of Material Facts or any other such document as may be required by the Vancouver Stock Exchange or the Office of the Superintendent of Brokers.

DATED at Vancouver, B.C., this 17 day of April, 1991.



Steve L. Todoruk, Geologist

**APPENDIX VII**


**ENGINEER'S CERTIFICATE**

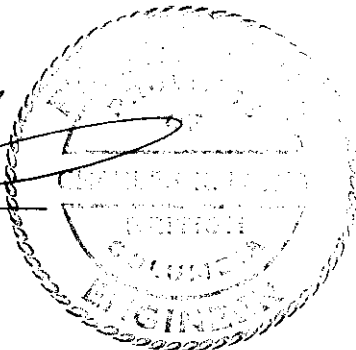
ENGINEER'S CERTIFICATE

I, CHARLES K. IKONA, of 5 Cowley Court, Port Moody, in the Province of British Columbia, DO HEREBY CERTIFY:

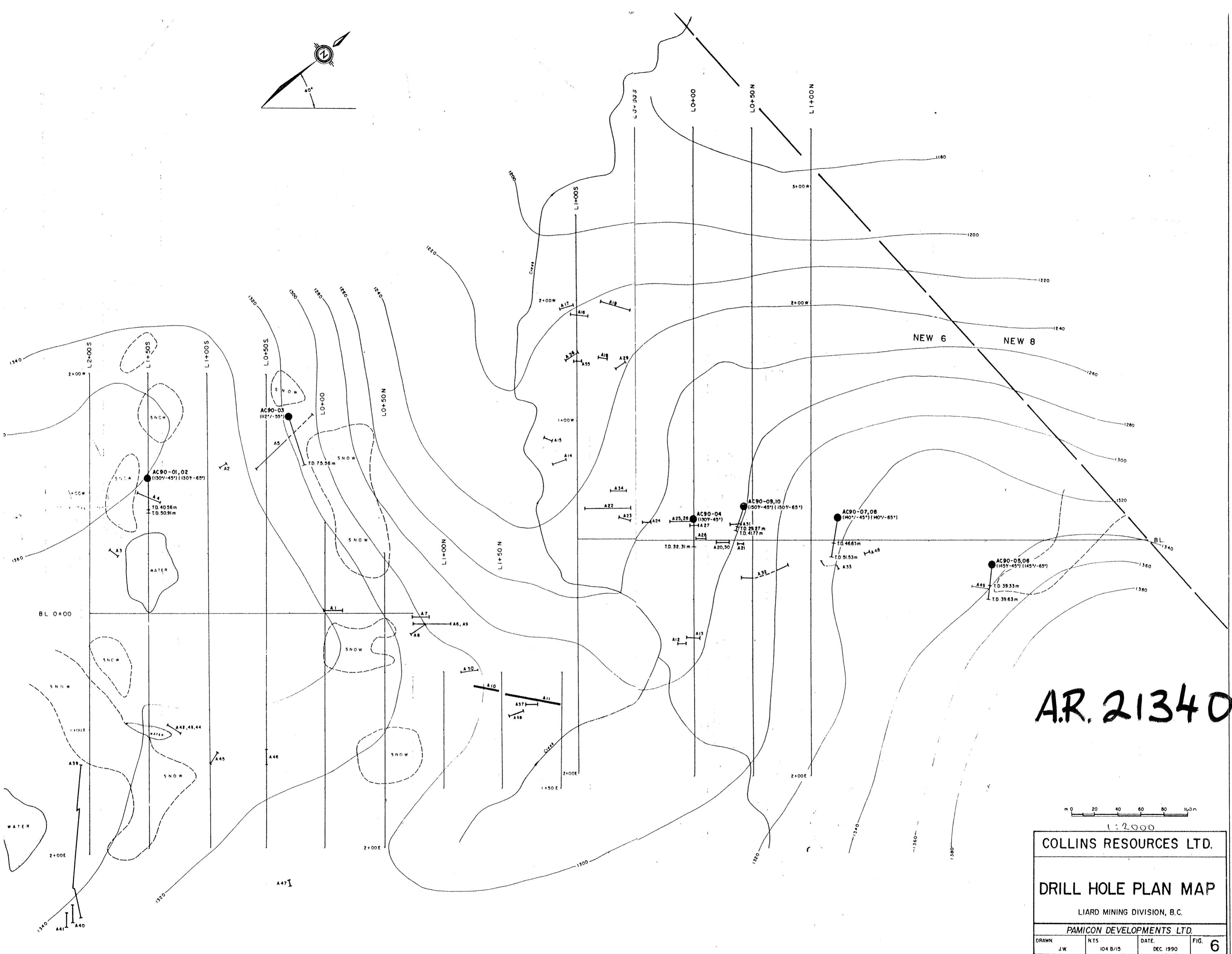
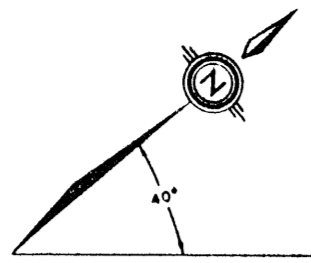
1. THAT I am a Consulting Mining Engineer with offices at Suite 711, 675 West Hastings Street, Vancouver, British Columbia.
2. THAT I am a graduate of the University of British Columbia with a degree in Mining Engineering.
3. THAT I am a member in good standing of the Association of Professional Engineers of the Province of British Columbia.
4. THAT this report is based on work conducted under my direction.
5. THAT I have no interest in the property described herein, nor in securities of any company associated with the property, nor do I expect to acquire any such interest.
6. THAT I consent to the use by Collins Resources Ltd./Adrian Resources Ltd. of this report in a Prospectus or Statement of Material Facts or any other such document as may be required by the Vancouver Stock Exchange or the Office of the Superintendent of Brokers.

DATED at Vancouver, B.C., this 17<sup>th</sup> day of April, 1991.

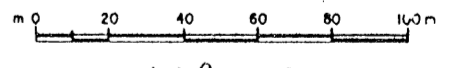
  
Charles K. Ikona, P.Eng.







A.R. 21340



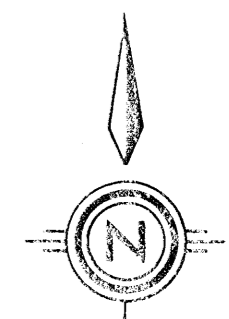
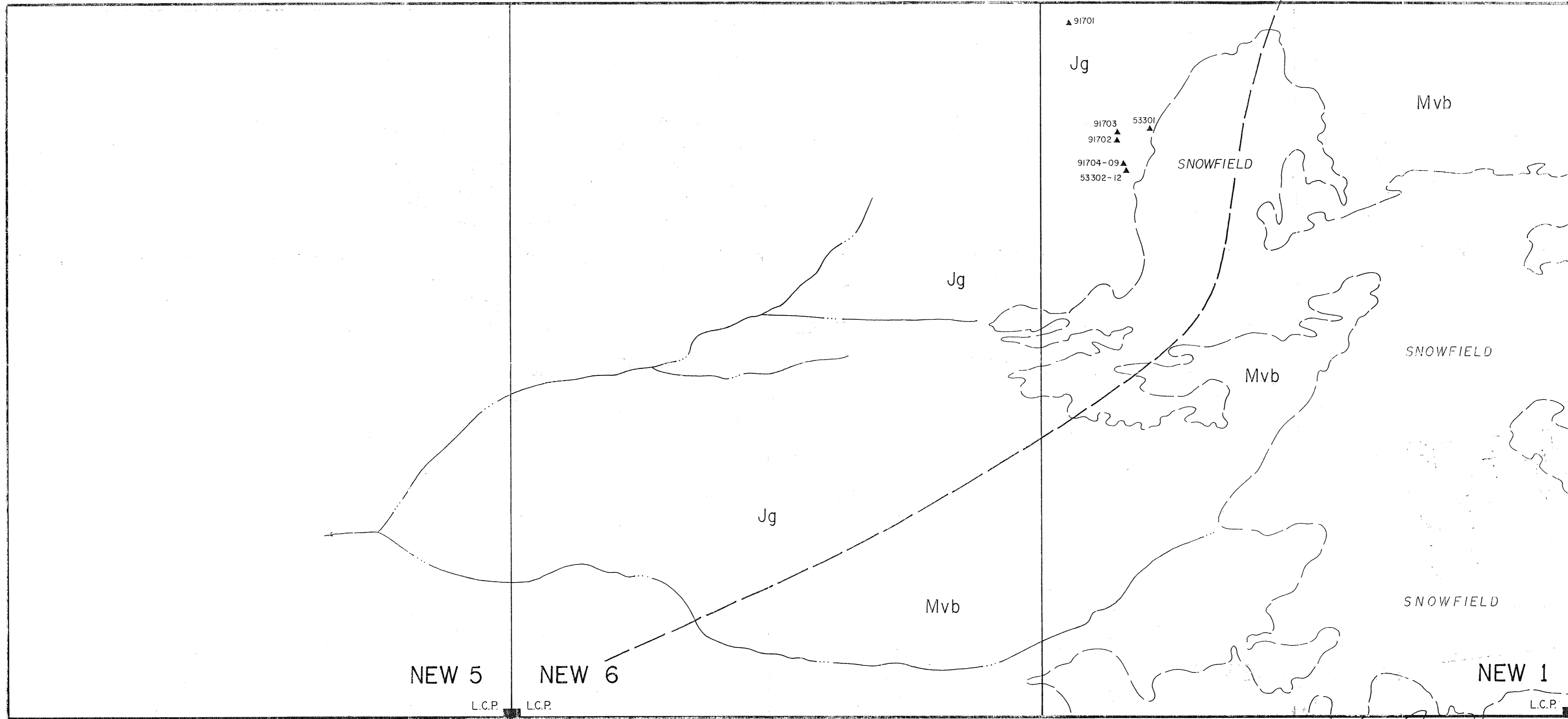
1:2000  
COLLINS RESOURCES LTD.

DRILL HOLE PLAN MAP

LIARD MINING DIVISION, B.C.

PAMICON DEVELOPMENTS LTD.

DRAWN	NTS	DATE	FIG.
JW	104 B/15	DEC. 1990	6



**A.R.21340**

FOR GEOLOGICAL LEGEND SEE FIGURE 5 IN TEXT  
 SCALE 1:10,000  
 m 0 200 400 600

COLLINS RESOURCES LTD.			
NEW 1, 5 & 6 CLAIMS ROCK SAMPLE LOCATION MAP			
LIARD MINING DIVISION, B.C.			
PAMICON DEVELOPMENTS LTD.			
DRAWN J.W.	N.T.S. 104 B/15	DATE OCT. 1991	FIG. 13