GEOLOGICAL REPORT
ON THE
GAB 9 MINERAL CLAIM

Located in the Iskut River Area
Liard Mining Division
NTS 104B/10W
56°52' North Latitude
130°55' West Longitude

- prepared for -

JAZZMAN RESOURCES INC.

- prepared by -

S.L. TODORUK, Geologist
C.K. IKONA, P.Eng.

February, 1989

GEOLOGICAL REPORT on the GAB 9 MINERAL CLAIM

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APPENDICES

1.0 INTRODUCTION

Jazzman Resources Inc.'s Gab 9 mineral claim (20 units) is situated within the Liard Mining Division of northwestern British Columbia 2 km west of Newmont Lake and 17 km north of the Iskut River. In the Iskut River area a major gold camp is taking form with Skyline Explorations Ltd. having taken their Stonehouse Gold deposit from an exploration prospect to the production stage in August, 1988. Skyline reports reserves of 686,000 tons grading 0.57 oz/ton. Nearby, the Cominco/Delaware Snip project joint venture is nearing a production stage with reserves of 2,446,000 tons grading 0.648 oz/ton. Forty km southeast of the Jazzman property, Calpine/Consolidated Stikine's Eskay Creek project has committed to an additional 15,000 metre drilling program as they continue to delineate their 21 Zone gold deposit.

Immediately to the south of the Jazzman Gab 9 claim, Gulf International Minerals for the past two seasons has been extensively drilling their Northwest Zone which consists of multiple horizons of high-grade gold mineralization. The Northwest Zone trends 025° and has a strike length to date of 250 metres. The zone appears to be open along strike to the north and therefore provides excellent potential that mineralization will continue onto the Jazzman property.

The 1988 exploration program carried out on the Gab 9 claim consisted primarily of diamond drill hole testing. Two deep holes were drilled immediately north of the Gulf/Jazzman claim boundary in an attempt to pin-point the Northwest Zone's trend. The favourable crinoidal limestone unit which hosts the Gulf mineralization was encountered in both drill holes with stronger mineralization seen in the second hole suggesting a closer proximity to the zone. An additional three short holes were drilled near the centre of the property collaring in mineralized, jasperoid and marblized crinoidal limestone very similar to the gold bearing horizons encountered in the Northwest Zone.

JAZZMAN RESOURCES INC.

GAB 9 CLAIM

PROPERTY LOCATION MAP

LIARD MINING DIVISION, B.C.

PAMICON DEVELOPMENTS LTD.

Drawn	N.T.S.	Date	Figure
J.W.	104 B/15 W	Feb. 1989	1.

This report is intended to summarize information available and work carried out on the Jazzman property and recommends a follow-up work program for the 1989 season.

2.0 LIST OF CLAIMS

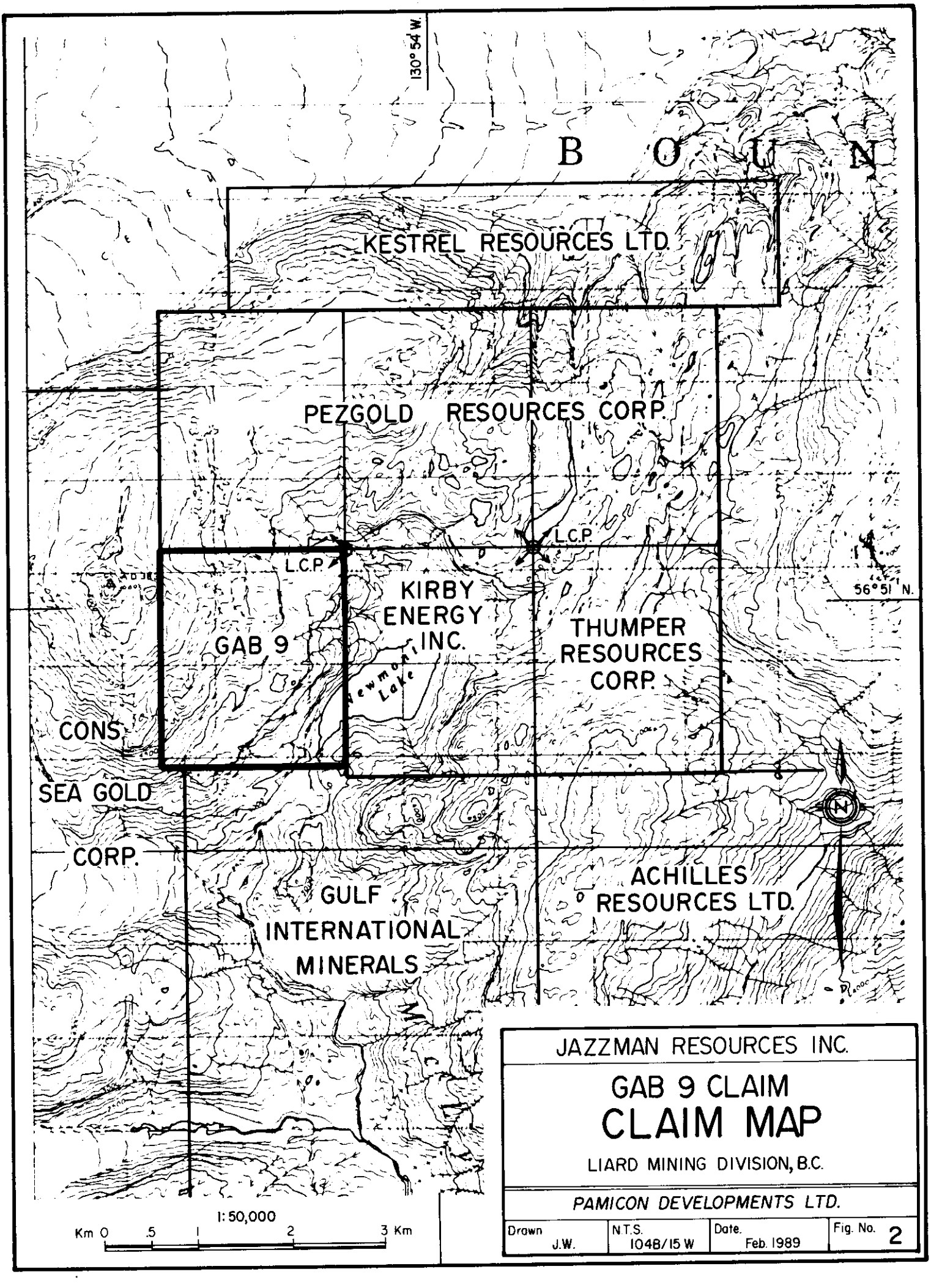
Records of the British Columbia Ministry of Energy, Mines and Petroleum Resources indicate that the Gab 9 claims are owned by Jazzman Resources Inc. (Figure 2).

Claim Name	Record Number	No. of Units	Record Date	Expiry Date
Gab 9	3822	20	December 22, 1986	December 22, 1990

3.0 LOCATION, ACCESS AND GEOGRAPHY

The Gab 9 claims are located approximately 110 kilometres east of Wrangell, Alaska, and 100 kilometres north of Stewart, British Columbia, on the eastern edge of the Coast Range Mountains (Figure 1). Bob Quinn Lake on the Stewart-Cassiar Highway is situated 45 kilometres to the northeast while Bronson airstrip (servicing Cominco/Delaware's Snip deposit and Skyline Exploration's Stonehouse Gold deposit) is 17 kilometres to the south. Coordinates of the claims area are 56°52' north latitude and 130°55' west longitude, within the jurisdiction of the Liard Mining Division.

Access to the property is via helicopter from the Bronson Creek gravel airstrip or the Forrest Kerr airstrip. Daily scheduled flights to the strip from Smithers, Terrace and Wrangell, Alaska have been available during the field season using a variety of fixed wing aircraft.


130° 54' W.
B O U N
KESTREL RESOURCES LTD.
PEZGOLD RESOURCES CORP.
L.C.P.
L.C.P.
56° 51' N.
KIRBY ENERGY INC.
GAB 9
THUMPER RESOURCES CORP.
Newmont Lake
CONS.
SEA GOLD
CORP.
GULF INTERNATIONAL MINERALS
ACHILLES RESOURCES LTD.
N
1:50,000
Km 0 .5 1 2 3 Km
JAZZMAN RESOURCES INC.
GAB 9 CLAIM
CLAIM MAP
LIARD MINING DIVISION, B.C.
PAMICON DEVELOPMENTS LTD.
Drawn J.W.
N.T.S. 104B/15 W
Date. Feb. 1989
Fig. No. 2

The construction of a road 65 kilometres long has been proposed by C.K. Ikona of Pamicon Developments Ltd. on behalf of Skyline Explorations Ltd. The road would be situated along the south side of the Iskut River to connect the Stewart-Cassiar Highway with the Cominco/Delaware and Skyline gold mines at Bronson Creek.

Geographically, the claims area is moderately forested below treeline and easily accessible above this elevation. Elevations on the property vary between 500 to 1500 metres.

4.0 AREA HISTORY

Figure 3 of this report presents a 1:500,000 scale area of northwestern B.C. from Stewart in the south to near Telegraph Creek in the north. This represents some 225 km. Within this area, which has been referred to as the Stikine Arch, mining activity goes back to the turn of the century. Due to the size of the region it historically has been referred to in more specific areas ranging from the Stewart area to Sulphurets, Iskut and Galore Creek. As can be noted in Figure 3, however, all of these individual camps appear to be related to the Stikine Arch as a whole. Recent discoveries appear to be filling in areas between these known mineralized camps. It is probable that the entire area be considered as one large mineralized province with attendant subareas. As Jazzman's claims are located near the Iskut and Sulphurets-Tom MacKay areas a more detailed history of these areas is presented below.

The first recorded work done in the Iskut Region occurred in 1907 when a prospecting party from Wrangell, Alaska staked nine claims north of Johnny Mountain. Iskut Mining Company subsequently worked crown granted claims along Bronson Creek and on the north slope of Johnny Mountain. Up to 1920, a 9 metre adit revealed a number of veins and stringers hosting galena and gold-silver mineralization.

GAB 9 CLAIM

MINERAL OCCURRENCE

MAJOR MINERAL OCCURRENCE

SCALE 1:500,000

0 10 20 Km

COMPILED BY S. TODORUK (1988)

PROPERTY OWNER

MINERAL RESERVES AND/OR ELEMENTS

1.	Westmin Resources Ltd./Silbak Premier Mines	5,900,000 tonnes 0.063 oz/ton Au, 2.3 oz/ton Ag
2.	Westmin Resources Ltd./Tournigan Mining Explorations Ltd.	1,600,000 tonnes 0.110 oz/ton Au, 0.86 oz/ton Ag
3.	Noranda (Todd Creek Project)	Au
4.	Scottie Gold Mine	Au
5.	Granduc	10,890,000 tons 1.79% Cu
6.	Echo Bay Mines/Magna Ventures/Silver Princess Resources (Doc Project)	470,000 tons 0.27 oz/ton Au, 1.31 oz/ton Ag
7.	Western Canadian Mining (Kerr Project)	Cu, Au
8.	Catear Resources Ltd.	291,916 tons 0.835 oz/ton Au, 2.44 oz/ton Ag
9.	Newhawk/Lacana/Granduc (Sulphurets Project)	2,000,000 tons 0.462 oz/ton Au, 21.78 oz/ton Ag
10.	Calpine/Consolidated Stikine Silver Ltd. (Eskay Creek Project)	Au, Cu, Ag
11.	Consolidted Silver Standard Mines Ltd. (E & L Deposit)	3,200,000 tons 0.80% Ni, 0.60% Cu
12.	Inel Resources Ltd.	Au, Ag, Cu, Pb, Zn
13.	Skyline Explorations Ltd. (Stonehouse Gold Deposit)	1,100,000 tonnes 0.700 oz/ton Au, 1.0 oz/ton Ag, 1% Cu
14.	Kestrel Resources Ltd.	Au, Ag, Cu, Pb, Zn
15.	Hector Resources Inc. (Golden Spray Vein)	Au, Ag
16.	Tungco Resources Corp.	Au, Ag, Cu, Pb, Zn
17.	Winslow	Au, Ag, Cu, Pb, Zn
18.	Cominco/Delaware Resource Corp. (Snip Deposit)	1,200,000 tons 0.700 oz/ton Au
19.	Pezgold Resource Corp.	Ag, Au
20.	Meridor Resources Ltd.	Au
21.	Delaware Resource Corp./American Ore Ltd./Golden Band	Au
22.	Magenta Development Corp./Crest Resources Ltd.	Au, Ag, Cu, Pb
23.	Ticker Tape Resources Ltd. (King Vein)	Au
24.	Pezgold Resource Corp.	Au
25.	Consolidated Sea-Gold Corp.	Au
26.	Gulf International Minerals Ltd. (Northwest Zone)	Au, Ag, Cu
27.	Kerr Claims	Ag, Cu, Au
28.	Pezgold Resource Corp. (Cuba Zone)	Ag, Pb, Zn
29.	Pezgold Resource Corp. (Ken Zone)	Cu, Au
30.	Forrest Project	Au, Ag, Cu
31.	Pass Lake Resources Ltd. (Trek Project)	Cu, Au
32.	Galore Creek	125,000,000 tonnes 1.06% Cu, 0.397 g/t Au, 7.94 g/t Ag
33.	Continental Gold Corp.	Au, Ag, Cu
34.	Bellex Resources Ltd./Sarabat Resources Ltd. (Jack Wilson Project)	Au, Cu
35.	Pass Lake Resources Ltd. (JD Project)	Au, Cu
36.	Lac Minerals (Hankin Peak Project)	Au
37.	Schaft Creek	910,000,000 tonnes 0.30% Cu, 0.020% Mo, 0.113 g/t Au, 0.992 g/t Ag
38.	Paydirt	200,000 tons 0.120 oz/ton Au

JAZZMAN RESOURCES INC.

GAB 9 MINERAL CLAIM

Regional Mineral Occurrence Map

Liard Mining Division BC

PAMICON DEVELOPMENTS LIMITED
#711-675 West Hastings St., Vancouver, B.C. V6B 1N4 (604) 684-5901

Geologist:	NTS: 103, 104	Date: JAN. 1989	FIGURE: 3

In 1954, Hudsons Bay Mining & Smelting located the Pick Axe showing and high grade gold-silver-lead-zinc float on the open upper slopes of Johnny Mountain, which today is part of Skyline Explorations Ltd.'s Stonehouse Gold deposit. The claims were worked and subsequently allowed to lapse.

During the 1960s, several major mining companies conducted helicopter borne reconnaissance exploration programs in a search for porphyry-copper-molybdenum deposits. Several claims were staked on Johnny Mountain and on Sulphurets Creek.

Between 1965 and 1971, Silver Standard Mines, and later Sumitomo, worked the E + L prospect on Nickel Mountain at the headwaters of Snippaker Creek. Work included trenching, drilling and 460 metres of underground development work. Reserves include 3.2 million tons of 0.80% nickel and 0.60% copper.

In 1969 Skyline staked the Inel property after discovering massive sulphide float originating from the head of the Bronson Creek glacier.

During 1972, Newmont Mining Corporation of Canada Limited carried out a field program west of Newmont Lake on the Dirk claim group. Skarn-type mineralization was the target of exploration. Work consisted of airborne and ground magnetic surveys, geological mapping and diamond drilling. One and one-half metres grading 0.220 ounces gold per ton and 15.2 metres of 1.5% copper was intersected on the Ken showing.

In 1980 Dupont Canada Explorations Ltd. staked the Warrior claims south of Newmont Lake on the basis of a regional stream sediment survey. In 1983, Skyline Explorations Ltd. and Placer Developments Ltd. optioned the Warrior claims from Dupont. Efforts were directed at sampling and extending several narrow quartz-pyrite-chalcopyrite veins with values ranging from 0.1 to 3.0 oz/ton gold. Geophysics and coincident geochemical values indicated a significant strike length to the mineralized structure. The Warrior claims were allowed to lapse in 1986, at which time, Gulf International Minerals Ltd. acquired the McLymont claims covering much the same area.

Assays of interest from recent Gulf drilling are listed below (Gulf International Minerals Ltd., Annual Report, 1988 and news releases):

Drill Hole	Interval (feet)	Length (feet)	Copper (%)	Silver (oz/ton)	Gold (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
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	8.8	1.99	0.31	0.340
	353.0-363.2	10.2	1.02	0.22	0.288

(average grade = 149.0 feet of 0.207 oz/ton gold)

After restaking the Reg property in 1980, Skyline carried out trenching and drilling for veined high-grade gold and polymetallic massive sulphide mineralization on the Reg and Inel deposits between 1981 and 1985.

In 1986, drilling and 460 metres of underground cross-cutting and drifting on the Stonehouse Gold Zone confirmed the presence of high grade gold mineralization with additional values in silver and copper over mineable widths with good lateral and depth continuity. With production commencing in August, 1988 a total of 196,927 lbs copper, 19,329 oz silver and 9,894 oz gold were produced up to the end of 1988. Remaining reserves reported to date in all categories are 686,000 tons grading 0.57 oz/ton gold.

On the Cominco/Delaware Snip claims immediately north of the Stonehouse Gold deposit, approximately 30,000 metres of diamond drilling has been carried out defining the Twin Zone gold deposit. Twenty-three hundred metres of under-

ground development work has also been completed as the project readies for production. As of January, 1989, reserves on the Twin Zone were reported as:

	Au (oz)	Tons
Total Inferred	0.648	2,446,000

During 1987, Inel Resources Ltd. commenced an underground drifting and diamond drilling program along the main cross-cut intent on intersecting the Discovery Zone. Mineralization is thought to represent broadly zoned fracture networks and sulphide veins along basalt/sandstone contacts. Underground drilling on the centre section of workings has returned in 88-U-40 a grade of 0.770 oz/ton gold for 13.3 feet. As of November, 1988, 2,471 feet of underground development has been completed in the area of the Discovery zone.

Western Canadian Mining Corp. in 1987 drilled tested to Khyber Pass massive sulphide showing on their Gossan claims in the Iskut area while in 1988 drilling was carried out on their Kerr project copper-gold porphyry deposit in the Sulphurets camp to the southeast.

Tungco Resources Corporation has drill tested four main gold/copper quartz vein targets; the Bluff, No. 7, Swamp and Gold Bug Zones. The Bluff Zone has been delineated 70 metres along strike and 60 metres downdip with better intersections grading up to 0.243 oz/ton gold across 2.45 metres. The No. 7 Vein returned 1.12 metres of 0.651 oz/ton gold. Drill testing was also carried out near the western edge of the claims on the Boot Zone lead/zinc/copper/silver/gold prospect.

During 1988 Pezgold Resource Corp./International Prism Exploration drill tested the old Newmont Ken Zone magnetite/chalcopyrite/gold skarn zone north of Gulf International Minerals' Northwest Gold Zone. High grade silver-lead-zinc was also found on the eastern side of the property.

In late 1988, Calpine Resources Incorporated/Consolidated Stikine Silver announced several exciting drill holes on their Eskay Creek Project at Tom McKay Lake. Drill hole CA88-6 reported values of 0.730 oz/ton gold across 96.5 feet.

South of Calpine's Eskay Creek Project and in the Sulphurets Gold Camp several properties are quickly moving into production phases as listed below:

Project	Mineral Reserves
Newhawk/Granduc/Lacana Mine	2,000,000 of 0.462 oz/ton Au, 21.78 oz/ton Ag
Catear Resources Ltd. Mine	291,916 of 0.835 oz/ton Au, 2.44 oz/ton Ag
Echo Bay Mines/Magna/ Silver Princess Project	470,000 of 0.270 oz/ton Au, 1.31 oz/ton Ag

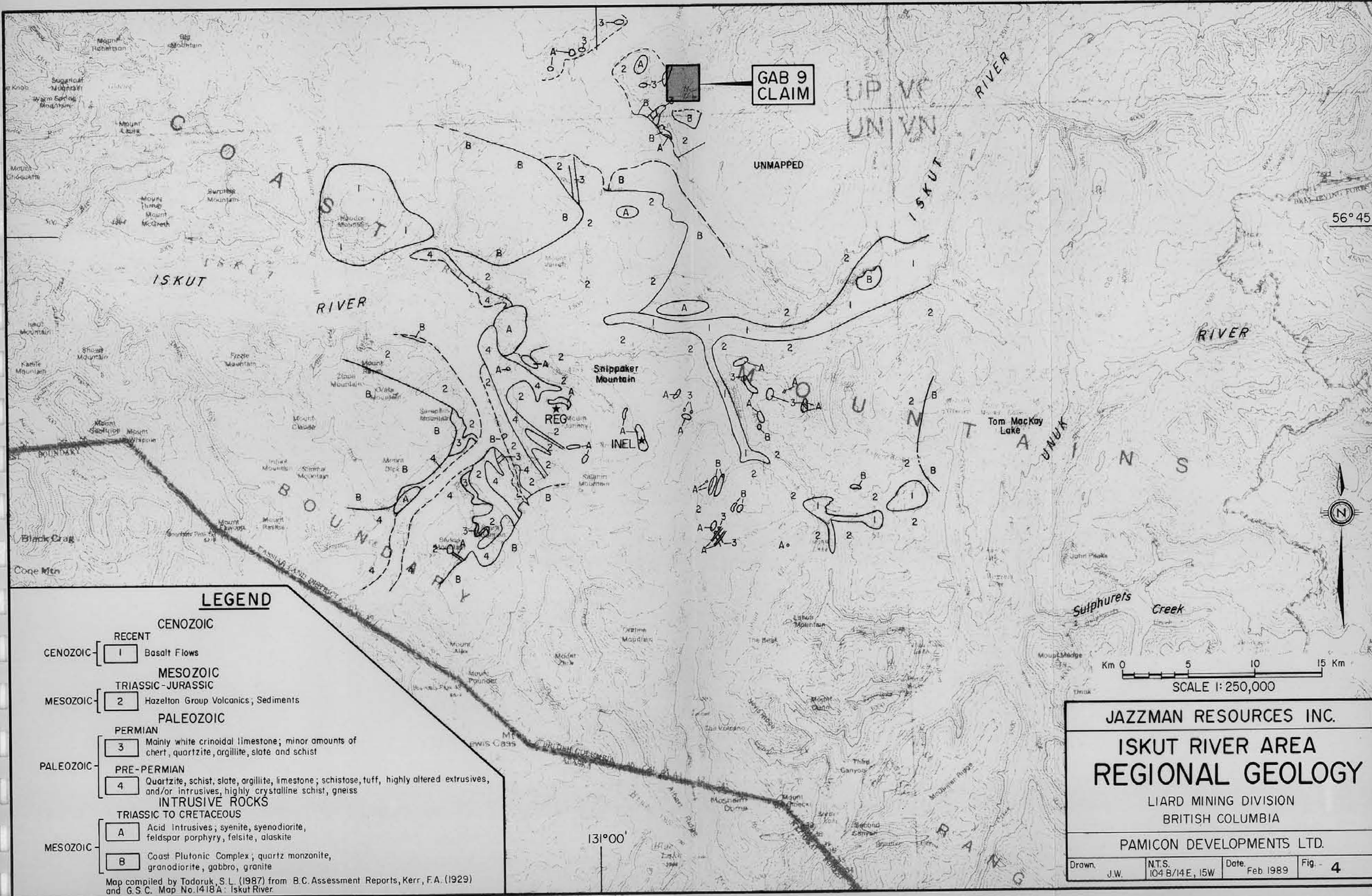
Crest Resources Ltd./Magenta Development Corp. also discovered an exciting gold/silver/copper/lead quartz vein in 1988 on the Rob claims in the Skyline area with values in trenches up to 2.567 oz/ton Au across 9.8 feet including 7.394 oz/ton Au across 3.3 feet.

East of the Crest/Magenta property, an American Ore Ltd./Golden Band Resources/Delaware joint venture has discovered a gold zone near the north-western corner of the Meridor Resource Corp. Iskut 1&2 mineral claims which Meridor has also intersected.

5.0 REGIONAL GEOLOGY

The following regional geological interpretation is taken from B.C. Geological Survey Branch publication, in press, Exploration in British Columbia 1987 by D.V. Lafebure and M.H. Gunning.

A northwest-trending belt of Permian to Lower Jurassic volcanic and sedimentary rocks and their metamorphic equivalents trends northward from Alice Arm to Telegraph Creek and forms part of Stikinia. It is bounded to the west by the


GAB 9 CLAIM
UNMAPPED
COAST MOUNTAINS
ISKUT RIVER
UNUK RIVER
Snippaker Mountain
REG
INEL
Tom MacKay Lake
Sulphurets Creek
BOUNDARY
56° 45'
131°00'
Km 0 5 10 15 Km
SCALE 1: 250,000
LEGEND
CENOZOIC
RECENT
CENOZOIC 1 Basalt Flows
MESOZOIC
TRIASSIC-JURASSIC
MESOZOIC 2 Hazelton Group Volcanics; Sediments
PALEOZOIC
PERMIAN
3 Mainly white crinoidal limestone; minor amounts of chert, quartzite, argillite, slate and schist
PALEOZOIC
PRE-PERMIAN
4 Quartzite, schist, slate, argillite, limestone; schistose, tuff, highly altered extrusives, and/or intrusives, highly crystalline schist, gneiss
INTRUSIVE ROCKS
TRIASSIC TO CRETACEOUS
A Acid Intrusives; syenite, syenodiorite, feldspar porphyry, felsite, alaskite
MESOZOIC
B Coast Plutonic Complex; quartz monzonite, granodiorite, gabbro, granite
Map compiled by Todoruk, S.L. (1987) from B.C. Assessment Reports, Kerr, F.A. (1929) and G.S.C. Map No. 1418A: Iskut River.
JAZZMAN RESOURCES INC.
ISKUT RIVER AREA
REGIONAL GEOLOGY
LIARD MINING DIVISION
BRITISH COLUMBIA
PAMICON DEVELOPMENTS LTD.
Drawn. J.W.
N.T.S. 104 B/14 E, 15W
Date. Feb 1989
Fig. - 4

Coast Complex and is overlapped to the east by the clastic sediments of the Bowser Basin.

The dominant lithologies in the Bronson Creek area are clastic sediments and volcanics with minor carbonate lenses which are intruded by a diverse suite of intrusive rocks, most commonly granitic and syenitic (Figure 4). The sedimentary rocks are sandstones (typically greywackes), siltstones, shales, argillites, conglomerates and minor limestones. Volcanic rocks vary in composition from mafic to felsic and display a wide variety of igneous, pyroclastic and volcaniclastic textures.

Quaternary and Tertiary volcanics occur at Hoodoo Mountain, along the Iskut River near Forrest Kerr Creek, and in several localities along Snippaker Creek.

Kerr (1948) correlated most of the rocks along Bronson Creek with Triassic volcanics that he had seen farther to the north and northwest. These volcanics consist of intensely folded and sheared tuffs, agglomerates, lavas, rare pillow lavas and bedded sediments. He believed that the volcanics are overlain by Triassic argillites with lenses of limestone. The lower northern and western slopes of Johnny Mountain are underlain by pre-Permian metamorphosed shale, sandstone and limestone.

Exploration geologists have defined stratigraphic columns for specific properties (Birkeland and Gifford, 1972; Sevensma, 1981) and for the area as a whole (Parsons, 1965; Bending, 1983). Bending defined a stratigraphic column with black argillite conformably overlain by banded siltstone which underlies a green volcanic unit composed principally of intermediate to felsic rocks. The green volcanic unit has an irregular upper contact with the "Upper Tuffaceous Sedimentary Unit," a sequence of limestones, tuffaceous sandstones, argillites and siltstones with lenses of conglomerate near the upper contact. At the top of Bending's sequence is hornblende-biotite andesite tuff and subordinate breccia. Based on descriptions by Kerr (1930, 1948), Bending correlated the basal argillite and siltstone with the upper Paleozoic, the green volcanic

unit with the Triassic and the upper tuffaceous sediments with the lower Jurassic. Fossils collected from 350 metres southwest of Snippaker Peak have been determined as Lower Jurassic, probably Toarcian age, by H.W. Tipper of the Geological Survey of Canada (Graf, 1985).

Grove (1986b) subdivided the sedimentary and volcanic rocks on the top of Mount Johnny into the Unuk River and Betty Creek formations of the Hazelton Group, based on correlations with his work to the east.

6.0 PROPERTY GEOLOGY

The Gab 9 claim is predominently underlain by a thick succession of sedimentary sandstone/conglomerates with an interbedded horizon of crinoidal limestone. These units are believed to be Mississippian in age. Syenitic feldspar porphyry complexes intrude these rocks (Figure 5).

The conglomerate unit consists of sedimentary and volcanic subrounded fragments up to 15 to 30 cm in diameter set in a dark green medium grained matrix (referred to as volcanic cobble conglomerate from 1972 Newmont mapping). This unit is interbedded with a bedded, dark green to grey colored sandstone with occasionally interbedded light green mudstone. Bedding has various orientations which correspond with the structural complexity of the immediate area.

A thick light grey flat-lying crinoidal limestone unit trends from approximately 600 metres south of the Jazzman property on the Gulf claims northward across the entire length of the Gab 9 claim block. The unit occurs only as subcrop at the southern most end of the Northwest Zone on the Gulf property and is not exposed on surface again until near the middle of the Jazzman property. Based on knowledge from Gulf drilling information, the limestone unit attains a thickness of up to 20 metres. It is within this limestone that Gulf's Northwest Zone is hosted. Replacement style mineralization is located within zones of marblized (skarned) limestone and consists of quartz, calcite, magnetite, pyrite, chalcopyrite and to lesser extent barite, gypsum, sphalerite, galena and specular hematite.

Intrusive rocks on the claims consist mainly of a syenitic feldspar porphyry which outcrops in the centre of the claims in close proximity to mineralized marblized crinoidal limestone. In this location, the feldspar porphyry contains feldspar phenocrysts up to 1 cm in size and is moderately to strongly magnetic. Similar feldspar porphyry was also intersected in drill hole J88-2 near the Gulf/Jazzman claim boundary at a depth of 182.3 metres.

7.0 AIRBORNE GEOPHYSICS INTERPRETATION

An airborne geophysical survey was carried out between November, 1987 and June, 1988 on behalf of Pamicon Developments Ltd. in the Iskut River area of northwestern B.C. Magnetic-electromagnetic-VLF surveys were flown over Jazzman Resource Inc.'s Gab 9 mineral claims (Figure 6).

A major northeast-southwesterly trending magnetic high dissects the north-eastern corner of the Gab 9 claim block. This same signature extends for several kilometres along the same trend off of the property and is believed to represent the McLymont fault. Near the centre of the claim at the southwest end of this magnetic high, diamond drill testing intersected marblized (skarned) crinoidal limestone with magnetite, pyrite, chalcopyrite and jasper. Immediately below this magnetite mineralized zone moderate to strongly magnetic feldspar porphyry (syenite) was encountered. These results suggest that the strong magnetic high trending northeast from these drill holes along McLymont fault may as well host additional skarn/replacement style mineralization.

Along the McLymont fault trend to the southwest on the Gab 9 claim, the crinoidal limestone unit (potential Gulf mineralization host) is covered by a thick succession of sedimentary conglomerates and sandstone/siltstone/mudstone measuring approximately 200 metres in thickness. Feldspar porphyry intrusive (weakly magnetic) was also intersected in diamond drill hole J88-2 immediately north of the Gulf claim line boundary at the south end of the Gab 9 claim. Crinoidal limestone was also encountered in close proximity to this feldspar

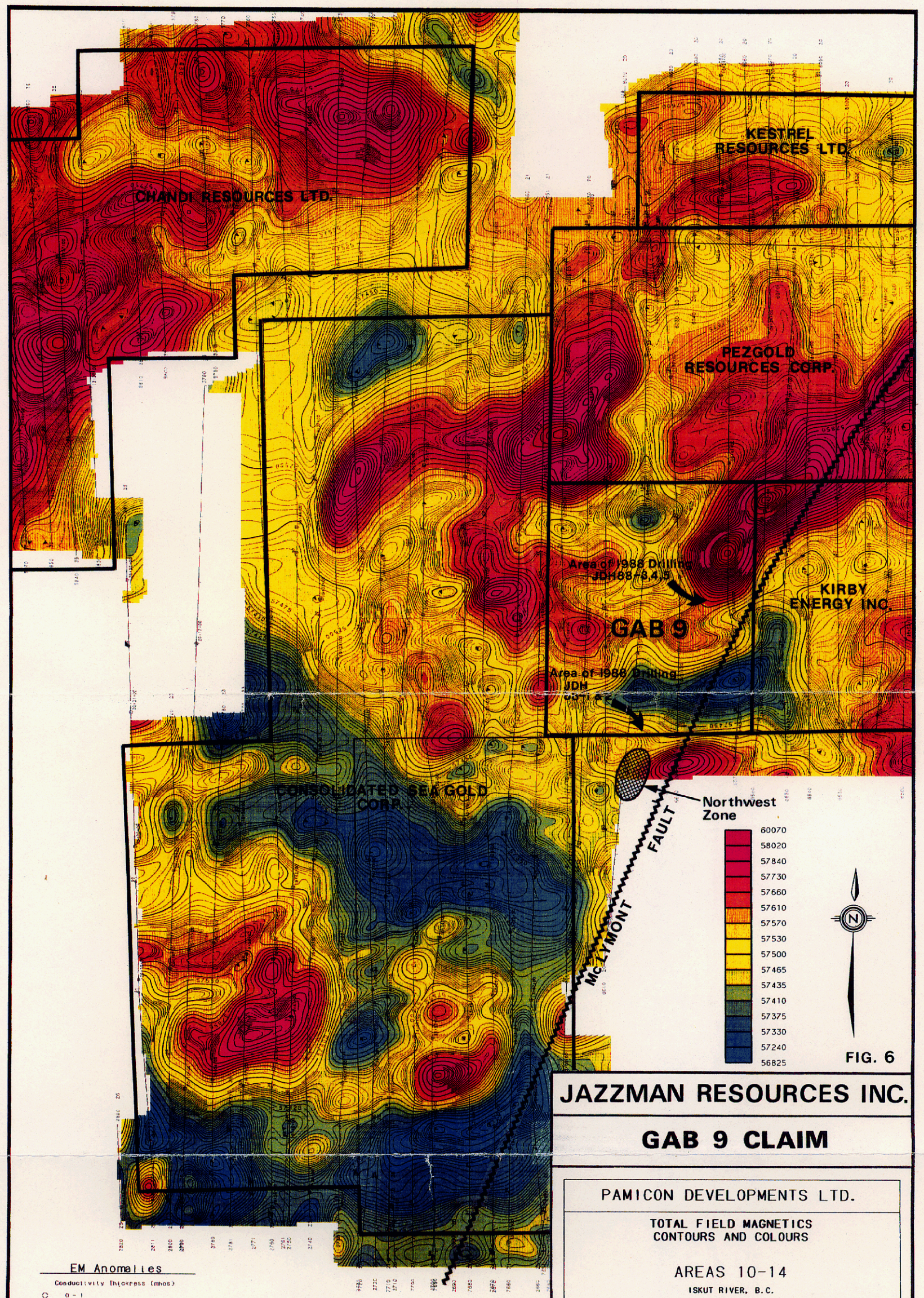


FIG. 6

JAZZMAN RESOURCES INC.

GAB 9 CLAIM

PAMICON DEVELOPMENTS LTD.

TOTAL FIELD MAGNETICS
CONTOURS AND COLOURS

AREAS 10-14

ISKUT RIVER, B.C.

1:40,000

0 660 1320 2640 5280 feet

0 200 400 1000 2 kilometres

AERODAT LIMITED

DATE: MAY 88

NTS No: 104B

MAP No: 4 J87100

porphyry. Approximately 600 metres southwest onto the Gulf property along the trend of the magnetic high feature of McLymont fault lies a smaller magnetic high which is believed to represent Gulf's Northwest Zone (magnetite, pyrite, chalcopyrite, jasper gold bearing mineralization). In this area, the favourable crinoidal limestone unit is again close to surface and thus magnetite style mineralization is more likely to be able to be detected by the airborne geophysical survey instruments.

Separate magnetic high signatures are also found immediately to the west and northwest of the Gab 9 claim on Consolidated Sea Gold Corp.'s and Pezgold Resource Corp.'s properties. These anomalies are believed to also be related to magnetite skarn style mineralization and syenitic intrusives.

Reference may be made to R.J. de Carle's REPORT ON A COMBINED HELICOPTER-BORNE MAGNETIC, ELECTROMAGNETIC AND VLF SURVEY, ISKUT RIVER AREA, September 23, 1988.

8.0 MINERALIZATION AND DRILLING

The primary target of mineralization on Jazzman's Gab 9 property is considered to be the northeastly trending extension of Gulf International Minerals' gold-bearing Northwest Zone (Figure 5). Gulf has demonstrated their deposit to trend along an 025° strike which extends to date from approximately 500 metres south of the Jazzman/Gulf claim line boundary for 250 to 300 metres northward toward Jazzman's ground. The zone attains a width of up to 25 metres. On the Gulf property, the mineralized limestone unit is usually less than 130 metres below surface while on the Jazzman property because of a marked increase in the thickness of the overlying conglomerate/sandstone unit this same limestone is at a depth of 190 to 220 metres. Gulf has delineated the Northwest Zone deposit to a distance of approximately 200 metres from the common claim boundary, at which point, in their diamond drill hole 88-20 a 15 metre section of strongly mineralized skarn was intersected demonstrating that the zone continues and is open to the north. Some of the more significant

diamond drill hole intercepts from the Northwest Zone are listed below:

Drill Hole	Interval (feet)	Length (feet)	Copper (%)	Silver (oz/ton)	Gold (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
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	8.8	1.99	0.31	0.340
	353.0-363.2	10.2	1.02	0.22	0.288
	(average grade = 149.0 feet of 0.207 oz/ton gold)				
88-29	145.0-149.0	4.0	0.24	0.09	0.294
	160.4-165.7	5.3	1.27	0.30	0.530
	177.5-179.5	2.0	5.12	0.50	0.309
	186.0-193.9	7.9	1.04	1.33	0.216
	286.1-287.0	0.9	0.22	0.22	0.138
	316.3-320.9	4.6	0.54	0.07	0.175
	371.4-373.7	2.3	0.21	0.05	0.189

Two diamond drill holes (J88-1 and J88-2) were drilled immediately north of the Gulf/Jazzman claim boundary in an attempt to intersect the Northwest Zone 025° mineralized structure (Figure 8). J88-1 is believed to have been drilled too far to the east of the zone but did intersect the favourable crinoidal limestone unit (Figure 7). J88-2 was drilled approximately 100 metres to the west of the first hole and visually indicated a closer proximity to a mineralizing environment (Figure 8). In this second hole, more of the crinoidal limestone appeared to be recrystalized (marblized) and sulphide

content was markedly increased with 1% to 2% pyrite common. Chalcopyrite (1% to 2%) was also observed between 221.3 and 221.9 metres.

Diamond drill holes J88-3, 4 and 5 were all drilled near the centre of the claim at the southwest end of the strong airborne geophysical magnetic anomaly which coincided with outcropping exposure of well developed marblized, mineralized crinoidal limestone (Figure 5). Mineralization consists of jasper + pyrite + chalcopyrite. Large crinoid fossils measuring 1.5 x 5 cm are set in the limestone matrix. In close proximity to this mineral occurrence is a feldspar porphyry intrusive. Iron carbonate (ankerite) veining up to 1.0 metre wide swarms through the limestone here. Rock chip samples collected from this showing are listed below:

Sample Number	Cu (ppm)	As (ppm)	Ag (ppm)	Au (ppb)	Au (oz/ton)
22517	--	--	--	--	0.379
21402	1,748	1,721	11.5	5,040	0.137
21404	926	7,529	8.1	4,045	0.111
22521	1,389	1,640	8.1	4,590	--

All three drill holes intersected well developed marblized crinoidal limestone horizons within weakly to moderately recrystallized limestone (Figures 9 to 11). Drill hole J88-3 intersected the most encouraging mineralization between 65.8 and 68.0 metres with moderate magnetite + jasper + chalcopyrite + pyrite. Although low gold values were reported from assays, these characteristics are very similar to mineralization found in Gulf's Northwest Zone.

Approximately 500 to 700 metres north of the above zone copper/silver/gold mineralization was also discovered again within the crinoidal limestone. Iron carbonate (ankerite) veining is present in this area. Assays from rock chip samples are listed below:

Sample Number	Cu (ppm)	Ag (ppm)	Au (ppb)
22504	--	--	2,050
22505	37,651	10.3	110
22506	8,197	1.1	280

One hundred metres northwest of these samples, anomalous values in gold, silver, copper, arsenic, tungsten and zinc have been obtained from siliceous limestone. Assays are listed below:

Sample Number	Ag (ppm)	Cu (ppm)	As (ppm)	W (ppm)	Au (ppb)	Zn (ppm)
21355	--	--	290	--	1,300	--
21356	8.1	7,383	292	2,956	15	81,319
21357	--	3,973	113	98	20	>20,000

9.0 DISCUSSION AND CONCLUSIONS

Jazzman Resource Inc.'s Gab 9 20 unit mineral claim is situated within the Liard Mining Division of northwestern British Columbia approximately 17 kilometres north of the Iskut River and the Cominco/Delaware Snip and Skyline Explorations Stonehouse Gold deposits. Gulf International Minerals' Northwest Zone gold skarn/replacement deposit is located immediately south of the Jazzman property.

Diamond drilling on the Jazzman claim in 1988 focused on attempting to intersect the northern extension of Gulf's Northwest Zone deposit which to date has been traced to within 200 metres of the Jazzman/Gulf claim boundary. Two deep drill holes collared immediately north of the Gab 9 claim line both intersected the Northwest Zone hosting crinoidal limestone unit. The second hole drilled appears to indicate a closer proximity to a mineralizing environment with a marked increase of overall sulphide mineralization and more well

developed marblized limestone which again is proximal to the Northwest Zone mineralization.

Three additional short drill holes were drilled near the centre of the claim along the same trend of the Northwest Zone and again focusing on skarn/ replacement marblized crinoidal limestone. In this area, mineralized outcrop assayed up to 0.379 oz/ton gold. Mineralization in outcrop consists of jasper, chalcopyrite and strong pyrite. All three holes intersected favorable marblized jasperoid limestone while the first drill hole also intersected moderate magnetite and pyrite mineralization with noticeable chalcopyrite. Although low gold values were reported, all of the above mentioned minerals in this environment are strong indicators of the Gulf Northwest Zone style of mineralization. Noting the significant presence of magnetite in the Jazzman drill core and its association with the Gulf gold skarn/replacement deposit, strong implications can be suggested as to the positive potential that economic grade mineralization exists along this area which corresponds with a coincident 1.7 km long northeast trending airborne magnetic high on the Gab 9 claim.

10.0 RECOMMENDATIONS

For the 1989 field season it is recommended that $150,000 be made available for a program consisting of ground geophysics near the center of the Gab 9 claim around the area of the three short diamond drill holes from 1988 followed by a 500 metre drill program designed to test geophysical targets and similar mineralized marblized horizons as intersected in the 1988 program.

A Phase II program should consist of drilling a closely spaced fence line of drill holes immediately north of the Jazzman/Gulf claim line starting near Jazzman drill hole J88-2. Approximately 250 to 300 metre deep drill holes will be required in this area. A 1700 metre drill program is recommended for this area and $500,000 should be made available for this phase.

A detailed budget breakdown is summarized below for the Phase I program.

10.1 RECOMMENDED BUDGET

Wages		
Senior Geologist - 13 days @ $400	$ 5,200	
Samplers - 13 days @ $200	2,600	
		$ 7,800
Geophysics - 2 x 5 days @ $375		3,750
Drilling - 1,250 feet @ $75		93,750
Room and Board		
Geophysics - 10 man days		
Drillers - 50 man days		
Field Crew - 26 man days		
86 man days @ $105		9,030
Assays - drill core		2,000
Freight		1,500
Travel and Accommodation		3,500
Communication		2,000
Fixed Wing		3,500
Helicopter - 20 hours @ $625		12,500
Equipment Rentals		3,000
Report		3,500
Contingency @ 10%		14,583
Management Fee		16,225
Total		$176,638

Respectfully submitted,

Steve Todoruk, Geologist

Charles K. Ikona, P.Eng.

APPENDIX I

BIBLIOGRAPHY

BIBLIOGRAPHY

Bilodeau, P.J. and C.K. Ikona (1989): Geological Report on the Rob 15 & 16 Mineral Claims.

Calpine Resources Inc.: News Release, Vancouver Stockwatch, December 13, 1988.

Caulfield, D.A. and C.K. Ikona (1987): Geological Report on the GIM Mineral Claim.

Caulfield, D.A. and C.K. Ikona (1987): Geological Report on the Josh, Josh 2-4 Mineral Claims.

Costin, C.P. (1973): Assessment Report 4150, Dirk Claims, Newmont.

de Carle, R.J. (1988): Report on a Combined Helicopter-Borne Magnetic, Electromagnetic and VLF Survey, Iskut River Area, Liard Mining Division, British Columbia.

Delaware Resources Corp.: Progress Report, Snip Prospect, November 19, 1987.

Delaware Resources Corp.: News Release, Vancouver Stockwatch, November 11, 1988.

Delaware Resources Corp.: News Release, Vancouver Stockwatch, January 16, 1989.

Gulf International Minerals Ltd.: Annual Report, 1987.

Gulf International Minerals Ltd.: Annual Report, February 1988.

Grove, E.W. (1985): Geological Report and Work Proposal on the Skyline Explorations Ltd. Inel Property.

Grove, E.W. (1986): Geological Report, Exploration and Development Proposal on the Skyline Explorations Ltd. Reg Property.

Ikona, C.K. (1988): Geological Report on the Gab 7, 8 & 10, Joy 12, New 3 & 4, Joy 3, Ver 1 & 2, Ret 2, 3, 4, 5, 6 & 7, Cam 7 & 8, Hag 5, 6 & 7 Mineral Claims.

Kiesman, W. and C.K. Ikona (1989): Geological Report on the Gab 7, 8 & 10 Mineral Claims.

Kowalchuk, J. (1982): Assessment Report 10,418, Warrior Claims, Dupont Exploration.

Lafebure, D.V. and M.H. Gunning (1987): Exploration in British Columbia 1987, in press, B.C. Geological Survey Branch publication.

Meridor Resources Ltd.: News Release, Vancouver Stockwatch, January 11, 1988.

Montgomery, A. and C.K. Ikona (1989): Geological report on the New 3 & 4 and Joy 12 Mineral Claims.

Montgomery, A. and C.K. Ikona (1989): Geological report on the Rob 17, 19, 20, 21 Mineral Claims.

Scroggins, E.A. and C.K. Ikona (1989): Geological Report on the Rob 13 & 14 Mineral Claims.

Skyline Explorations Ltd.: Annual Report, 1987.

Skyline Explorations Ltd.: Annual Report, 1988.

Sorbara, J. Paul (January 11, 1988): Geological Report on the Joy 1 & 2 Mineral Claims for Brenwest Mining Ltd.

Ticker Tape Resources Ltd.: News releases dated September 21, 1987 and October 13, 1987.

Todoruk, S.L. and C.K. Ikona (1987): Geological Report on the Stu 1 & 2 Mineral Claims.

Todoruk, S.L. and C.K. Ikona (1987): Geological Report on the Gab 11 & 12 Mineral Claims and Stu 8 & 9 Mineral Claims.

Todoruk, S.L. and C.K. Ikona (1987): 1987 Summary Report on the Sky 4 & 5 and Spray 1 & 2 Claims.

Todoruk, S.L. and C.K. Ikona (1987): Geological Report on the Stu 4 & 5 Mineral Claims.

Todoruk, S.L. and C.K. Ikona (1988): Geological Report on the Forrest 1-15 Mineral Claims.

Todoruk, S.L. and C.K. Ikona (1989): Geological Report on the Kerr 1-6 Mineral Claims.

Todoruk, S.L. and C.K. Ikona (1989): Geological Report on the Stu 4 & 5 and NWG 6 & 7 Mineral Claims.

Todoruk, S.L. and C.K. Ikona (1989): Geological Report on the Gab 11 & 12, Mon 1 & 2, Wei & Zel, Stu 8 & 9 Mineral Claims.

Tungco Resources Corporation: News release dated December 1, 1987.

Western Canadian Mining Corp.: News release dated November 12, 1987.

APPENDIX II

COST STATEMENT

COST STATEMENT
GAB 9 MINERAL CLAIM
LIARD MINING DIVISION
JULY 5 TO NOVEMBER 30, 1988

WAGES		
Senior Geologist - 17.25 days @ $350	$ 6,037.50	
Field Geologist - 15 days @ $250	3,750.00	
Prospectors - 23.5 days @ $250	5,875.00	
Samplers - 45.5 days @ $200	9,100.00	
Geophysical Crew - 3 days @ $300	900.00	
Field Support Crew	7,828.63	
		$ 33,491.13
EXPENSES		
Man Day Camp Support Costs		21,603.75
Equipment and Supplies		4,168.75
Fixed Wing		4,639.06
Helicopter		36,913.82
Assays		2,344.50
Travel and Accommodation		1,599.85
Communication and Telephone		711.46
Freight		547.38
Reproductions		306.59
Survey Equipment		250.00
Geophysical Equipment		2,000.00
Drilling		66,128.75
Drill Material		2,277.38
Core Rack		1,500.00
Drill Fuel		1,938.30
Powder, Caps, etc. (drill sites)		250.00
Project Supervision		13,058.94
		$193,729.66

APPENDIX III

ROCK AND SOIL SAMPLE DESCRIPTION FORMS

[illegible]M[illegible]ON DEVELOPMENTS LIMITED

Geochemical Data Sheet - ROCK SAMPLING

Sampler: Gjendom
Date: Aug 19+20/88

Project: Jazzman Res. Ltd
Property: Gab 9

NTS:
Location Ref:
Air Photo No:

SAMPLE NO.	LOCATION	SAMPLE TYPE	Sample Width / True Width	DESCRIPTION: Rock Type	DESCRIPTION: Alteration	DESCRIPTION: Mineralization	ADDITIONAL OBSERVATIONS	ASSAYS					
21401		Rx	Grab / Talus	crinoidal lstn. -marble	$FeCO_3$	massive pyrite	talus boulder near B/L/5+00N						
21402		"	Grab / in place	recrystallized crinoidal lmst	"	"	1180 m						
21403		"			"	jasper + chalco							
21404		"			"	massive pyrite							

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Geochemical Data Sheet - ROCK SAMPLING

NTS _____

Sampler Gjendam Project Jazzman Res. Ltd Location Ref _____

Date Aug 19+20/88 Property Gab 9 Air Photo No _____

SAMPLE NO.	LOCATION	SAMPLE TYPE	Sample Width / True Width	DESCRIPTION			ADDITIONAL OBSERVATIONS	ASSAYS					
				Rock Type	Alteration	Mineralization							
21401		Rx	Grab / Talus	crinoidal lstn. - marble	$FeCO_3$	massive pyrite	talus boulder near B/L / 5100N						
21402		"	Grab in place	recrystallized crinoidal lmst	"	"	1180 m						
21403		"			"	jasper + chalco							
21404		"			"	massive pyrite							

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Geochemical Data Sheet - ROCK SAMPLING

Sampler A Montgomery
Date Sept 25+27/88

Project Jazzman
Property Gab 9

NTS
Location Ref
Air Photo No

SAMPLE NO.	LOCATION	SAMPLE TYPE	Sample Width / True Width	DESCRIPTION			ADDITIONAL OBSERVATIONS	ASSAYS					
				Rock Type	Alteration	Mineralization							
21372	A 2+00NE 0+50 SE	Float		qtz - limonite	limonite	1-2% mgn diss. py	labelled AM-J01 in field py in qtz-limonite						
21373	22817 area	Grab		limestone	"	massive pyrite	massive py (~50%) in chlorite, qtz limonite gangue						
21374		Grab		iron carbonate			(shear) in andesite volc.						
21375		"		calcite breccia			40cm wide lens of brecciated calcite/anhydrite						

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Geochemical Data Sheet - ROCK SAMPLING

Sampler A. MONTGOMERY
Date '88
Project Jo[illegible]
Property Gab 9
NTS
Location Ref
Air Photo No

SAMPLE NO.	LOCATION	SAMPLE TYPE	Sample Width / True Width	DESCRIPTION			ADDITIONAL OBSERVATIONS	ASSAYS					
				Rock Type	Alteration	Mineralization		Au ppb					
21053	Gab 9	o/c		altd lithic + tuff	iron, silica	py	collected along zone ~ 100m long in gulley						
21051	"	"		"	"	"	20m down gulley from 053						
21055	"	"		"	"	"	40m down gulley from 051						
21056	"	"		"	"	"	adjacent gulley to above -5 samples						
21352	Gab 9			siliceous limestone		sphl + malachite							
21355	Gab 9			siliceous limestone	calcite	pyrite		1500					

PAMIC[illegible]
DEVELOPMENTS LIMITED

Geochemical Data Sh[illegible]t - ROCK SAMPLING

Sampler AL MONTGOMERY/S. Todoruk
Date AUG 25/88 / 26/88

Project JAZZMAN
Property GABY

NTS
Location Ref
Air Photo No

SAMPLE NO.	LOCATION	SAMPLE TYPE	Sample Width / True Width	DESCRIPTION			ADDITIONAL OBSERVATIONS	ASSAYS					
				Rock Type	Alteration	Mineralization							
22551	SEE FIELD MAP (F180m)	GRAB		IRON CARB. - CALCITE VEIN	-	-	rusty iron-carb; cal. vein 30cm wide visible for 20m, cuts volcanics ∠075/80°						
552	(1740m)	FLOAT		QTZ VEIN	LIMONITE	MINOR M.GR. PY	subang. float ~ 10cm wide.						
553	(1565m)	FLOAT? OUTCROP		VOLCANIC ROCK	IRON-CARB. DOLOMITE, IRON-OXIDE		VEINS OF iron-carb + dolomite to 5cm.						
554	(1565m)	GRAB		"	IRON-CARB, QTZ, IRON-OX.		shear zone in andesitic volcanics, ∠040/90°						
22555	(1395m)	GRAB		"	IRON-carb; QTZ		shear zone in andesite volc. near mudst. beds. ∠030/90°						
22518	elev = 3030'	rock	grab	Andesite		pyrite in shear?	- in field = TA 88 60						
22519	elev = 3060'	rock	grab	Andesite		pyrite	- bedding = 170/75 W - in field = TA 88-61						
22520	elev = 1180m	rock	float	skarn		massive magnetite	- 30-40 cm boulder at SW corner of grey crndl. lst wedge in MvL fault						
22521	elev = 1185m	rock	grab	recrystlzd. crndl. limestone	$FeCO_3$	massive pyrite	- 2 m SE of 21402 - zones of pyrite are patchy.						

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Geochemical Data Sheet - ROCK SAMPLING

NTS ______

Sampler: E. Debock
Date: Aug 16/88

Project: JAZZMAN
Property: GAB

Location Ref ______
Air Photo No ______

SAMPLE NO.	LOCATION	SAMPLE TYPE	Sample Width / True Width	DESCRIPTION: Rock Type	Alteration	Mineralization	ADDITIONAL OBSERVATIONS	ASSAYS: Au ppb	Ag ppm	As ppm	Cu ppm		
22501	1205m	rock	Grab	altered rx w some qtz.	hematite		up from McKnight Fault / N of Jazz c/k.						
22502	limestone bluffs due N of c/k + [illegible] LK.	"	"	limestone		possible py manganese	20-30 cm wide (2 zones 5 m apart)	1165	15.3	7561	643		
22503	"	"	"	limestone	silicified		6-10 m wide	nd	0.1	136	19		
22504	"	"	"	crinoidal limestone		cpy	6-8 m long.	2050	3.1	682	137		
22505	"	"	"	crinoidal limestone		cpy + py	10 m from porph. dyke 60 cm wide 3 m long.	110	10.3	1000	37,651		
22506	"	"	"	marbleized		cpy + py	2 m from dyke. / zone 70 cm x 3 m long	280	1.1	720	8,197		
22507	"	"	"	marbleized		cpy + py	40 cm wide x 3 m long	50	0.1	204	540		
22508	"	"	"	marbleized		cpy + py	1 m wide / zone 6-8 m long	70	0.1	433	1,788		
22509	"	"	"	marbleized in crin. & lst.		cpy + py	<10-20 cm wide / 6-8 m long	70	0.1	230	735		
22510	"	"	"	marble		cpy + py	30 cm wide x 2 m long	65	0.1	399	1001		
22511	"	"	" Float	Calcite veins		malachite + cpy	abundant on talus						
~~22512~~	~~"~~	"		~~Crinoidal lst~~		cpy py	~~10 cm wide x 3 m long : 10 m from porph dyke~~						
22512	1390 m	"	"	Barite vein		minor cpy	4 cm x 5 m long						
22513	1180	"	" Float	Crinoidal lst	jasperized	py + cpy							
22514	same as 22513	"	" Float										
22515	1150 m	"	"	limestone + agglomerate			1 m wide shear zone.						
22516	as 22515, 1150m	"	"	shear zone	silicified		1 m wide / 25 m strike length.						
22517	in McKnight Fault talus	"	"			massive pyrite talus bldr.	- 60 cm x 30 cm - near B/L / 5400N						

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Geochemical Data Sheet - SOIL SAMPLING

Sampler DAVE HAMMER & PADDY NICOL
Date AUG. 14/08

Project JAZZMAN / GULF INT. C.C. 1/3
Property GAB 12

NTS
Location Ref
Air Photo No

SAMPLE NO.	LOCATION	Depth	Horiz	DESCRIPTION			SLOPE	VEG	ADDITIONAL OBSERVATIONS / REMARKS	ASSAYS					
				Colour	Texture	Drainage									
	0+00	15cm	B	GRYBRWN	Rock shards		30°								
	+25E	45	A?B	GRYBRWN	Rock shards		30°								
	+50E	No	Sample						talus slope						
	+75E	No	SAMPLE												
	1+00E	No	SAMPLE												
	+25E	No	SAMPLE						TALUS + SNOW PATCH						
	+50E	No	SAMPLE												
	+75E	Bcm	B	OR. GREY			25°		EAST SIDE OF TALUS SLOPE						
	2+00E	8	B	GREY BROWN	MOSS		25°								
	+25E	8	B	GREY BROWN	MOSS		20°								
	+50E	5	B	OR. BRWN	MOSS		20°								
	+75E	5	B	GREY BROWN	MOSS		20°								
	3+00E	10	B	CHOC. BROWN	MOSS		20°								
	+25E	4	BFC	OR. BRWN	SCREE		30°								
	+50E	5	NO	SAMPLE					SNOW PATCH						
	+75E	15	B	CHOC. BROWN			30°								
	4+00E	15	B	CHOC BRWN	MOSS		20°		SNOW						
	+25E	10	B	BROWN	GRAVEL		25°								
	+50E	10	B	CHOC. BROWN	PEBBLEY		20°								
	+75E	15	BFC	BROWN	PEBBLEY		20°								

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Geochemical Data Sheet - SOIL SAMPLING

2 of 3

Sampler DAVE HAMMER & PADDY NICOL
Date AUG. 14/89

Project JAZZMAN / GULF INTERNATIONAL
Property GAB 12

NTS
Location Ref
Air Photo No

SAMPLE NO.	LOCATION	Depth	Horiz	DESCRIPTION			SLOPE	VEG	ADDITIONAL OBSERVATIONS / REMARKS	ASSAYS					
				Colour	Texture	Drainage									
L0+00	5+00E	20	B	ORANGE BROWN	ROCK SHARDS		40°								
	+25E	10	B	LITE BROWN			30°		BESIDE OUTCROP						
	+50E		NO	SAMPLE											
	+75E	10	B	CHOC. BROWN			90°		BELOW OUTCROP						
	6+00E	5	B	RED BROWN	SANDY		90°								
	+25E	5	B	RED BROWN			20°		BELOW OUTROP						
	+50E	5	B	ORANGE BROWN			50°		BELOW OUTCROP						
L0+50N	6+50E	15	B	CHOC BROWN			90°		BELOW OUTCROP						
	+25E	10	B	CHOC. BROWN			KNOLL		BELOW TALUS						
	6+00E	10	B	BROWN			STEEP		BELOW OUTCROP						
	5+75E	10	B	RED BROWN			20°								
	+50E		NO	SAMPLE					SNOW PATCH						
	+25E		NO	SAMPLE					SNOW PATCH						
	5+00E	15	B+C	CHOC. BROWN			TOO STEEP		BELOW OUTCROP						
	4+75E		NO	SAMPLE					ROCK BLUFF						
	+50E	2	B	CHOC. BROWN	ON BEDROCK		FLAT		ON BEDROCK						
	+25E	5	B	LIGHT BROWN	GRAVELLY		10°								
	4+00E		NO	SAMPLE					SNOW FIELD						
	3+75E	35	B	LIGHT BROWN			—		BELOW/BESIDE OUTCROP						

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Geochemical Data Sheet - SOIL SAMPLING 3 of 3

Sampler: DAVE HAMMER & PADDY NICOL
Date: AUG. 14/88
Project: JAZZMAN / GULF INT. C.L.
Property: GAB 12
NTS:
Location Ref:
Air Photo No:

SAMPLE NO.	LOCATION	Depth	Horiz	DESCRIPTION			SLOPE	VEG	ADDITIONAL OBSERVATIONS / REMARKS	ASSAYS					
				Colour	Texture	Drainage									
L0+50N	3+50E	8	B	DARK BROWN			20°		CORAL LIMESTONE						
	3+25E	6	B	ORANGE BROWN			20°		CORAL LIMESTONE						
L1+00N	3+50E		NO	SAMPLE					SNOW FIELD						
	2+75E		NO	SAMPLE					SNOW FIELD						
	2+50E	S	B	LIGHT BROW			20°		BELOW TALUS						
L1+00N	2+50E	10	B	DARK BROWN			30°		BELOW TALUS						
	2+75E	S	B	DARK BROWN			20°		ON O/C						

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APPENDIX IV

DRILL LOGS

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DEVELOPMENTS LIMITED

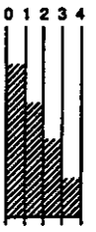
DRILL LOG

PROJECT: JAZZMAN - GAB 9	GROUND ELEV.: 1245 m.
HOLE NO.: JDH 88-1	BEARING:
LOCATION:	DIP: -90°
	TOTAL LENGTH: 324.6 m.
LOGGED BY: Steve Todoruk	HORIZONTAL PROJECT:
DATE: Aug. 28, 1988	VERTICAL PROJECT:
CONTRACTOR: Falcon Drilling Ltd.	
CORE SIZE: BQ	
DATE STARTED: Aug. 27, 1988	
DATE COMPLETED:	
DIP TESTS: acid at 324.6 m - hole = -90°	

ALTERATION SCALE

absent
slight
moderate
intense

TOTAL SULPHIDE SCALE



traces only
< 1%
1% – 3%
3% – 10%
> 10%

COMMENTS

LEGEND

PAGE 1 OF 8 | PROJECT: JAZ - GAB | HOLE NO. JDH 88-1

TH (m)	% CORE REC	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION A ($FeCO_3$)	ALTERATION B ($CaCO_3$)	ALTERATION C (Qtz.)	ALTERATION D (Chl.)	ALTERATION E	FRACTURE INTENSITY	% VEIN QTZ.
				0.0-2.1 m casing - loose ground							
				2.1-8.8 m? Conglomerate - black to dark green sub-angular sedimentary + volcanic fragments set in grey							
				8.8-23.3 m (Seds.?) - grey/silty? coloured matrix.							
10				3.7-6.0 m Moderate to strong $FeCO_3$ alteration as veins and also pervasively throughout.							
				13.8-14.3 m Moderate to strong $FeCO_3$ + $CaCO_3$ veining and alteration. Veins at 10° to core axis.							
20				15.2 m Micro-faulting along fractures (left-lateral movement) of $CaCO_3$ at 40° to c/a stringers + bedding? (parallel to c/a ??).							
30				17.5-19.7 m Moderate to strong $FeCO_3$ alteration pervasively throughout with $CaCO_3$ veins up to 1 cm wide + at 10-15° to c/a.							
				20.1 m Sedimentary bedding at 040° to c/a displaying good deformed bedding. With 1-2% patchy blebs of pyrite							
40				23.3 m Fault Gouge - grey, clayey (5 cm).							
				23.3-29.1 Brecciated sediments - moderate bleaching and silicification, angular fragments up to 3 cm.							
50				23.3-35.0? Conglomerate? - sub-angular dark green to black fragments up to 3-4 cm.							
				32.2-36.6 m Moderate to strong $CaCO_3$ veining at 000-015° to core axis.							
60				37.7 m Chlorite/$CaCO_3$ veining at 040° to c/a.							
				35.0-44.4 m Sandstone? - dark green to grey overall color, no fragments							
70				44.4-46.3 m Volcanic breccia - sub-angular dark green fragments up to 3 cms.							
				46.3-54.6 m Sandstone? - dark green, non-fragmental							
80				47.2 m Quartz/Calcite vein at 15° to c/a, limonitic, vuggy, no sulphides, 2 cm wide.							
90											

diss. magnetite throughout.

PAGE 2 OF 8	PROJECT: JAZ-GAB	HOLE NO. JDH 88-1

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES FROM (m)	SAMPLES TO (m)	SAMPLES WIDTH (m)	SAMPLE NUMBER	ASSAYS Au ppb			
- no sulphides seen		3.7	6.0	2.3	17851	nd			
- no sulphides seen		17.5	19.7	2.2	17852	nd			
- 1-2% patchy blebs of pyrite									

PAGE 3 OF 8 | PROJECT: JAZ-GAB | HOLE NO. JDH 88-1

DEPTH (m)	% CORE REC	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION A $FeCO_3$	ALTERATION B $CaCO_3$	ALTERATION C Qtz	ALTERATION D Chl.	ALTERATION E	FRACTURE INTENSITY	% VEIN QTZ.
				50.5 - 51.4m Perussively chlorite altered andesite. With Calcite stringers up to 1cm wide at 15-20° to c/a and with moderate $FeCO_3$.							
100			54.6 - 60.4m	Volcanic breccia - minor $CaCO_3$ stringer activity							
			Core	58.0 - 59.7m * core broken up - <100% recovery.							
110			60.4 - 61.0m	Fault Zone - light grey clay gouge with quartz/calcite fragments							
			61.0 - 64.0m	Quartz/Calcite Shear Zone - strong sheared quartz/calcite stringer activity. No sulphides.							
120			64.0 - 145.3m	Volcanic breccia - good andesitic groundmass and andesitic fragments.							
			Core	* 69.0 - 79.0m Moderate magnetite throughout volcanic breccia. With minor calcite veining.							
130				85.4m andesitic fragments up to 4-5 cm. in size.							
				97.2 - 97.8 Perussively chlorite altered andesite breccia with weak to moderate $CaCO_3$ veining.							
140				105.4 Volcanic breccia (andesite) is still moderately magnetic and $CaCO_3$ stringers are still at 15-20° to c/a;							
150				126.8 - 127.7m strongly chloritized andesite (volcanic) breccia							
				128.5 - 129.3m strongly silicified + chloritized andesite breccia. Possibly sheared. Light green color. No sulphides.							
160				138.2 - 140.2m Strongly chloritized andesite breccia. Moderate to strong $CaCO_3$ and moderate $FeCO_3$.							
170				143.5m Start to get 1-2% diss. pyrite in matrix of andesite breccia							
			145.3 - 148.9m	145.3 - 148.9m Sandstone/graywacke (black to dark green color)							
180											

PAGE 4 OF 8 | PROJECT: Jaz - Gdb | HOLE NO. 88-1

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES FROM m	SAMPLES TO m	SAMPLES WIDTH	SAMPLE NUMBER	ASSAYS Au ppb			
		60.4	61.0	0.6	17853	nd			
		61.0	62.3	1.3	17854	nd			
		62.3	63.2	0.9	17855	nd			
- 1-3% pyrite as 3-5 mm. patchy blebs.		128.5	129.3	0.8	17856	nd			
		145.3	147.0	1.7	17857	nd			

PROJECT: JAZ - GAB

HOLE NO. 88-1

DEPTH (m)	% CORE REC	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION A $FeCO_3$	ALTERATION B $CaCO_3$	ALTERATION C Qtz	ALTERATION D Chlt.	ALTERATION E	FRACTURE INTENSITY	% VEIN QTZ
				interbedded with andesite breccia. With patchy blebs of pyrite and also pyrite along bedding planes at 15° to c/a.							
190				148.9 - 151.5m Andesite breccia							
				Quartz breccia vein at 10-20° to c/a with chalcopyrite. Vein is 3 cm wide.							
				151.5 - 166.6m interbedded Mudstone and Andesite breccia. with patchy blebs of pyrite as well as some stringers parallel to bedding.							
200				166.6 - 189.0m Andesite breccia - at times almost appears conglomeritic.							
				186.0 - 186.3m silicified + chloritized breccia. No sulphides.							
210				187.9m 1 cm wide QV - grey color. No sulphides. At 10-15° to c/a.							
				189.0 - 232.4 Mudstone - dark green to black color, Chloritized. Bedding is commonly cut and offset along fractures in various orientations including 90° to c/a.							
220				(213.6)							
				191.0m bedding at 40° to c/a - weak quartz vein stringer activity at 15-25° to c/a.							
230				196.0 - 196.7m Quartz veins and quartz breccia up to 6 cm. wide.							
				197.7 - 198.3m Quartz to quartz breccia. No. Sulphides. Veins at 10-15° to c/a.							
240				222.3 - 222.5 Quartz breccia zone. No sulphides.							
				224.7 - 225.7m Sheared, chloritized quartz breccia zone. No Sulphides.							
250				232.4 - 261.5m Andesite breccia - (Conglomerate?) -							
				261.5 - 261.7m Crinoidal limestone - moderately recrystalized, crinoid fossils, no sulphides							
260				261.7 - 262.0m Conglomerate - (andesite breccia?)							
				262.0 - 262.1m Crinoidal limestone - moderately recrystallized. No sulphides							
270				Contact at 40° to c/a ??							

.8+1.9=2.7

PAGE 6 OF 8	PROJECT: JAZ - GAB	HOLE NO. 88-1

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES FROM	SAMPLES TO	SAMPLES WIDTH	SAMPLE NUMBER	ASSAYS Au ppb				
		147.0	148.9	1.9	17858	nd				
- 1 bleb of chalcopyrite		150.1	151.0	0.9	17859	nd				
- patchy blebs of pyrite		152.1	154.1	2.0	17860	nd				
- at 196.1 m - good pyrite in QV		196.0	196.7	0.7	17861	nd				
- at 196.6 - 196.7 m - nice chalcopyrite blebs										
		197.7	198.3	0.5	17862	nd				
- no sulphides		222.3	222.5	0.3	17863	nd				
- no sulphides		224.7	225.7	1.0	17864	nd				

PAGE 7 OF 8 | PROJECT: JAZ-GAB | HOLE NO. 88-1

DEPTH (m)	% CORE REC	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION A ($FeCO_3$)	ALTERATION B ($CaCO_3$)	ALTERATION C (Qtz.)	ALTERATION D (Clit.)	ALTERATION E	FRACTURE INTENSITY	% VEIN QTZ
				262.1 - 266.7m Conglomerate							
lost											
lost				266.7 - 269.4m Crinoidal limestone - moderately recrystallized, contact at 40° to c/a approximately, crinoids to 9mm.							
280				269.1m <1% disseminated pyrite in crinoidal limestone							
				269.4m contact with underlying conglomerate at 15-25° to c/a. (limestone is light grey color).							
290				269.4 - 270.8m Conglomerate -							
				270.8 - 272.0m Crinoidal limestone - recrystallized, light grey color, contact at ~15-25° to c/a with conglomerate							
				272.0 - 273.5m Conglomerate							
300				273.5 - 275.0m Crinoidal limestone - recrystallized							
lost				275.0 - 295.3m Conglomerate							
lost				295.3 - 297.5m Mudstone/conglomerate - pale green colored, chlorite altered, with strong calcite/quartz stringer activity.							
310				297.5 - 300.0m Conglomerate							
				300.0 - 300.3m Crinoidal limestone - good dark grey crinoids.							
				300.3 - 301.5m Conglomerate							
320				301.5 - 301.8m Crinoidal limestone - only slight to moderate recrystallization.							
EOH				301.8 - 302.1m Conglomerate							
				302.1 - 303.4m Mudstone/conglomerate - pale light green colored, chlorite altered. (same as 295.3 - 297.5m).							
				303.4 - 324.6m Conglomerate/Mudstone							
				EOH							
				307.6 - 308.1m Siliceous, sheared, qtz/calcite zone within pale green colored, chlorite altered mudstone/conglomerate * is hematite/jasper (pink) in qtz.							

PAGE 8 OF 8 | PROJECT: JAZ-GAB | HOLE NO. 88-1

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES FROM	SAMPLES TO	SAMPLES WIDTH	SAMPLE NUMBER	ASSAYS Au ppb			
		266.1	267.9	1.8	17865	nd			
- <1% disseminated pyrite.		267.9	269.4	1.5	17866	nd			
- no sulphides seen		270.8	272.0	1.2	17867	nd			
- no sulphides seen		272.0	273.5	1.5	17868	nd			
- no sulphides seen		273.5	275.0	1.5	17869	nd			
- no sulphides seen		295.3	297.5	2.2	17870	nd			
- no sulphides seen		300.0	300.3	0.3	17871	nd			
- no sulphides seen		301.5	301.8	0.3	17872	nd			
- no sulphides seen		302.1	303.4	1.3	17873	nd			
- no sulphides * is hematite/jasper		307.6	308.1	0.5	17874	nd			

PAMICON DEVELOPMENTS LIMITED

DRILL LOG

PROJECT: JAZZMAN - GAB 9	GROUND ELEV.: 1305 m.
HOLE NO.: JDH 88-2	BEARING:
LOCATION:	DIP: -90°
	TOTAL LENGTH: 309.4 m
LOGGED BY: Steve Todoruk	HORIZONTAL PROJECT:
DATE: Aug. 31, 1988	VERTICAL PROJECT:
CONTRACTOR: Falcon Drilling Ltd.	ALTERATION SCALE
CORE SIZE: BQ	
DATE STARTED: Aug 30, 1988	
DATE COMPLETED:	TOTAL SULPHIDE SCALE
DIP TESTS:	
COMMENTS:	LEGEND

ALTERATION SCALE

absent

slight

moderate

intense

TOTAL SULPHIDE SCALE

traces only

< 1%

1% – 3%

3% – 10%

> 10%

PAGE 1 OF 8 | PROJECT: JA2 - GAB | HOLE NO. JOH 88-2

DEPTH (m)	% CORE REC	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION A $FeCO_3$	ALTERATION B $CaCO_3$	ALTERATION C Qtz.	ALTERATION D Clay	ALTERATION E	FRACTURE INTENSITY	% VEIN QTZ.
				0.0-1.1m Casing							
				1.1 - 55.2m Conglomerate - dark green to black pebbles/fragments set in a dark grass green matrix. Weak $CaCO_3$ stringer activity.							
10				23.7 - 25.0m $FeCO_3$ veining and pervasive alteration through out.							
				25.4 - 26.4m Quartz/$CaCO_3$ flooding and veining through-out.							
20				30.1m 1-2 cm $CaCO_3$/$FeCO_3$ veins at 15-25° to c/a							
				37.9m 1-2 cm $CaCO_3$/$FeCO_3$/Quartz veins at 10-15° to c/a.							
30				41.1m 1-2 cm $CaCO_3$/$FeCO_3$ veins at 10-15° to c/a.							
				52.6 - 53.4m Strong $FeCO_3$/$CaCO_3$ alteration throughout conglomerate.							
40				53.4 - 55.2m Strong $FeCO_3$/$CaCO_3$ alteration as above.							
				53.4 * fault zone ?							
				55.2 - 93.9m Mudstone/siltstone/graywacke - dark green to black color, bedding at 40° to c/a, some bedding deformation.							
50				Weak $CaCO_3$ veining through-out.							
	85										
	90			59.7m Quartz/calcite vein at 40° to c/a with 1-2% pyrite. 8 cm. wide. Not sampled.							
60				72.8 - 72.9m light grey colored interbedded tuff unit with $CaCO_3$/Quartz stringer 5 mm wide + pyrite at 10° to c/a.							
				76.2m 1 cm wide quartz/calcite vein at 10° to c/a with pyrite							
70				82.9 - 85.6m Brecciated mudstone/ graywacke/silt-stone with moderate $CaCO_3$/quartz stringer activity							
80											
	76										
90											

PAGE 2 OF 8	PROJECT: JAZ-GAB	HOLE NO. 88-2

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES FROM	SAMPLES TO	SAMPLES WIDTH	SAMPLE NUMBER	ASSAYS Au ppb			
- no sulphides seen		23.7	25.0	1.3	17876	nd			
- 2% disseminated pyrite		25.4	26.4	1.0	17877	nd			
- no sulphides		52.6	53.4	0.8	17878	nd			
- no sulphides		53.4	55.2	1.8	17879	nd			
- pyrite along stringer/fractures associated with veining up to 4 mm. wide		82.9	85.6	2.7	17880	nd			

PAGE 3 OF 8 | PROJECT: JAZ - GAB | HOLE NO. 88-2

DEPTH (m)	% CORE REC	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION A	ALTERATION B	ALTERATION C	ALTERATION D	ALTERATION E	FRACTURE INTENSITY	% VEIN QTZ
				93.9-137.3m Conglomerate							
				122.3m 1cm wide $CaCO_3$/$FeCO_3$/ Quartz vein at 15° to c/a							
	recov??			129.7m 2cm wide $CaCO_3$/$FeCO_3$/ Quartz vein at 15° to c/a							
100				137.3-142.9m Mudstone/Siltstone - 137.3-140.5m - brecciated, deformational bedding							
				142.9-163.5m Conglomerate							
				150.1m 1.5 cm wide Quartz/$FeCO_3$ vein at 0-5° to c/a							
110				151.8m 1.5 cm wide quartz vein at 0-5° to c/a							
				163.5-182.3m Mudstone/Siltstone							
				165.0-169.1m Shear zone through sediments.							
120				173.4-174.6m Cherty Silicified fragmental ?? with 2-3% disseminated pyrite. Light cream brown color.							
				181.2-181.5m brecciated mudstone/ siltstone/sandstone.							
130				182.3-190.7m Feldspar Porphyry Dyke? (Syenitic). - Feldspar phenocrysts up to 6-8mm. long. Light pink brown color overall.							
				182.3-187.9m Feldspar Porphyry Dyke with 1% disseminated pyrite.							
140											
				190.7-191.9m Mudstone							
				191.9-193.5m Crinoidal limestone - moderately recrystallized.							
				193.5-193.9m Mudstone							
150				193.9-194.8m Diorite dyke - grey color with more mafics than the Feldspar Porphyry.							
				194.8-196.0m Crinoidal limestone - recrystallized							
				196.0-196.5m Sandstone/siltstone - dark black color							
				196.5-196.8m Crinoidal limestone							
160				196.8-197.9m Sandstone							
				197.9-198.7m Crinoidal limestone							
				198.7-201.1m Sandstone							
170											
180											

PAGE 4 OF 8 | PROJECT: Jaz - Gab | HOLE NO. 88-2

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES FROM	SAMPLES TO	SAMPLES WIDTH	SAMPLE NUMBER	ASSAYS Au ppb	ASSAYS Λ		
- Shear zone, 1% pyrite		165.0	166.4	1.4	17881	nd			
- Shear zone, 1% pyrite		166.4	168.0	1.6	17882	nd			
- brecciated sediments, 1% pyrite		168.0	169.1	1.1	17883	nd			
- 2-3% disseminated pyrite		173.4	174.6	1.2	17884	nd			
- 1% disseminated pyrite		182.3	183.8	1.5	17885	30			
		183.8	185.3	1.8	17886	10			
		185.3	186.8	1.5	17887	nd			
		186.8	187.9	1.1	17888	nd			
- 1% disseminated pyrite		191.4	193.5	2.1	17889	85			
- 1% disseminated pyrite		193.9	194.8	0.9	17890	nd			
- 1% disseminated pyrite		194.8	196.0	1.2	17891	60			
- 1% disseminated pyrite		196.5	196.8	0.3	17892	nd			
- 1% disseminated pyrite		197.9	198.7	0.8	17893	nd			

PAGE 5 OF 8 | PROJECT: JAZ-GAB | HOLE NO. 88-2

Depth (m)	% CORE REC	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION A	B	C	D	E	FRACTURE INTENSITY	% VEIN QTZ.
				201.1 - 203.9m Feldspar Porphyry dyke							
				203.9 - 204.4m Sandstone							
				204.4 - 205.5m Crinoidal limestone							
				205.5 - 208.9m Sandstone							
190				208.9 - 214.2m Crinoidal limestone							
				214.2 - 214.6m Sandstone - bedding at 45° to c/a							
200				214.6 - 216.4m Crinoidal limestone							
				216.4 - 221.3m Sandstone							
				221.3 - 221.9 Crinoidal limestone - with $CaCO_3$ stringers at 10-20° to c/a.							
210				221.9 - 226.6m Diorite - medium grey color, lots of mafics + feldspar phenocrysts.							
				226.6 - 234.8m Mudstone							
220				234.8 - 237.6m Diorite - feldspar porphyritic with mafics.							
				237.6 - 240.5m Mudstone - bedding at 70-80° to c/a							
				240.5 - 249.6m Breccia - sedimentary ?? - with mudstone/siltstone/sandstone sub-angular fragments up to 2-3 cms. Very different than the conglomerate.							
230				249.6 - 291.7m Mudstone/Siltstone/Sandstone							
				260.2 - 260.4 m 5-8 mm wide Qtz/$CaCO_3$ stringer at 10-15° to c/a with good pyrite							
				264.9 - 265.2 m 2-5 mm wide Quartz/$CaCO_3$/Pyrite stringers as above.							
240				289.6 - 290.3m Quartz veins at 0-10° to c/a up to 3 cm. wide							
				291.7 - 309.4m EOH Chert with minor mudstone - Light grey color.							
250				298.2 - 298.7m Quartz veins with good pyrite at 0-40° to c/a.							
				302.0 - 302.7m Quartz vein with good massive pyrite up to 3 cm							
260											
270											

PAGE 6 OF 8 | PROJECT: JA2 - GAB | HOLE NO. 88-2

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES FROM	SAMPLES TO	SAMPLES WIDTH	SAMPLE NUMBER	ASSAYS Au ppb			
– 1% disseminated pyrite		204.4	205.5	1.1	17894	nd			
– 1% disseminated pyrite + 3 mm. wide pyrite stringer at 10° to c/a at 208.9 m.		208.9	210.8	1.9	17895	10			
		210.8	212.3	1.5	17896	nd			
		212.3	214.2	1.9	17897	nd			
– 1% disseminated pyrite		214.6	216.4	1.8	17898	nd			
– 1% disseminated pyrite throughout and some nice 3-5 mm blebs of chalcopyrite in $CaCO_3$ stringers		221.3	221.9	0.6	17899	20			
– 1% disseminated pyrite ↓ (225.2-226.7 m)		225.2	226.7	1.5	17900	nd			
					* see end of log for further sampling this section				
– fragments replaced with pyrite		244.5	246.2	1.7	17901	nd			
– pyrite stringer 5-8 mm wide		260.2	260.4	0.2	17902	90			
– pyrite stringers 2-5 mm wide		264.9	265.2	0.3	17903	50			
– strong pyrite in quartz veins		289.6	290.3	0.7	17904	1410			
– strong pyrite in quartz veins at 0-40° to c/a ↓		298.2	298.7	0.5	17905	970			
– strong pyrite in quartz veins		302.0	302.7	0.7	17906	220			

PAGE 7 OF 8 | PROJECT: JA2 - GAB | HOLE NO. 88-2

DEPTH (m)	% CORE REC	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION A	B	C	D	E	FRACTURE INTENSITY	% VEIN QTZ.
				305.0 - 305.4m Quartz veins with strong pyrite at 10-15° to c/a.							
280				307.3 - 308.0m $CaCO_3$/Quartz stringers with pyrite							
290				308.0 - 309.4m $CaCO_3$/Quartz stringers with pyrite.							
300											
EOH											
*											
220.											
230											
40											

PAGE 8 OF 8	PROJECT: JA2 - GAB	HOLE NO. 88-2

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES FROM	SAMPLES TO	SAMPLES WIDTH	SAMPLE NUMBER	ASSAYS Au ppb			
– strong pyrite in 1-2 cm wide quartz vein		305.0	305.4	0.4	17907	1960			
– disseminated, stringers and blebs of pyrite		307.3	308.0	0.7	17908	30			
– as above		308.0	309.4	1.4	17909	90			
- trace cpy, minor py in mudstone above marble		220.2	221.3	1.1	17910	50			
- trace cpy, minor disseminated py in diorite below marble		221.9	222.2	0.3	17911	20			
- as sample 17911, no chalcopyrite noted.		222.2	223.7	1.5	17912	nd			
- as 17912		223.7	225.2	1.5	17913	nd			

PAMICON DEVELOPMENTS LIMITED

DRILL LOG

PROJECT: JAZZMAN RESOURCES LTD.	GROUND ELEV.: 1200 m.
HOLE NO.: JDH 88-3	BEARING: 185°
LOCATION:	DIP: -45°
	TOTAL LENGTH: 76.8 m
LOGGED BY: Steve Todoruk	HORIZONTAL PROJECT:
DATE: Sept. 30, 1988	VERTICAL PROJECT:
CONTRACTOR: Falcon Drilling Ltd	ALTERATION SCALE
CORE SIZE: BQ	
DATE STARTED: Sept. 27, 1988	
DATE COMPLETED: Sept. 28, 1988	TOTAL SULPHIDE SCALE
DIP TESTS:	
COMMENTS:	LEGEND

absent
slight
moderate
intense

traces only
< 1%
1% – 3%
3% – 10%
> 10%

PAGE 1 OF 4	PROJECT: JAZ - GAB	HOLE NO. 88-3

DEPTH (ft) | % CORE REC | LITHOLOGY | STRUCTURE | GEOLOGICAL DESCRIPTION | ALTERATION: $FeCO_3$ A, B, C, D, E | FRACTURE INTENSITY | % VEIN QTZ.

Interval	Geological Description
0.0 – 2.1m	casing
2.1 - 4.3m	Chert - very siliceous, light grey color, fine-grained, quartz-carbonate veining up to 8 mm wide at 20-30° to c/a. Strongly fractured.
	3.0m 2-3 mm clayey fault gouge
	2.7m remnant bedding at 70-80° to c/a.
4.3 - 25.7m	Recrystalized Crinoidal Limestone - light grey in color, usually massive, don't always see crinoidal fossils.
	10.3-10.7m good crinoids up to 1 cm. round and 3 cm. long.
	13.8 - 15.1 m good crinoids.
	16.9 - 17.0m calcite vein at 45° to c/a
	20.7m good crinoids
	21.0 - 21.7m good crinoids
	21.7 - 25.7m brecciated
25.7 - 32.9m	Crinoidal limestone - fresher, med to dark grey color.
	25.7m - good crinoids up to 2 cm. $FeCO_3$ veins parallel to c/a. Fresher grey crinoidal.
	27.5m 3-4 cm. jasperized? zone at 40° to c/a.
	29.3 - 30.5m brecciated crinoidal limestone. Different than 21.7-25.7m breccia in that you can still see good crinoids.
	31.2 - 31.4 m pink colored quartz veining with boxwork development.

Depth scale: 10, 20, 30, 40, 50, 60, 70, EOH

Margin notes: rextlzd slate?; fresh crd; QV; clayey seds.?; siltstone; MAIN ZONE

PAGE 2 OF 4	PROJECT: JAZ-GAB	HOLE NO. 88-3

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES FROM	SAMPLES TO	SAMPLES WIDTH	SAMPLE NUMBER	ASSAYS Au ppb	ASSAYS Zn ppm		
- 1-2% disseminated pyrite throughout.		2.1	3.1	1.0	17651	nd			
		3.1	4.3	1.2	17652	30			
- 1% disseminated pyrite throughout and narrow 1-3 mm. pyrite fracture stringers at 0-10° to c/a.		4.3	6.8	2.5	17653	30			
- several narrow pyrite fracture stringers 1-5 mm wide at 0-15° to c/a.		6.8	7.7	0.9	17654	nd			
- 1% disseminated pyrite throughout and 1 or 2 narrow pyrite stringers.		7.7	9.3	1.5	17655	20			
- 1-2% disseminated pyrite		9.3	10.3	1.0	17656	nd			
- several pyrite stringers at 15-25° to c/a up to 2-7 mm wide.		10.3	10.7	0.4	17657	nd			
- 1% disseminated pyrite		10.7	13.8	3.1	17658	20			
- 1-3% pyrite disseminated and as stringers.		13.8	15.1	1.3	17659	10			
- 1% disseminated pyrite.		15.1	16.6	1.5	17660	50			
- 1% disseminated pyrite		16.6	18.1	1.5	17661	10			
- 1 or 2 narrow pyrite stringers at 10° to c/a at 19.4 m.		18.1	19.6	1.5	17662	10			
- 1% disseminated pyrite		19.6	21.0	1.4	17663	10			
- several 5-8 mm pyrite stringers at 10-30° to c/a.		21.0	21.7	0.7	17664	10			
- 1 or 2 narrow pyrite stringers at 0-5° to c/a.		21.7	23.7	2.0	17665	nd			
- 1% disseminated pyrite		23.7	25.7	2.0	17666	30			
- 1% disseminated pyrite		25.7	27.3	1.6	17667	10			
- <1% pyrite		27.3	27.8	0.5	17668	30			
- 1% disseminated pyrite		27.8	29.3	1.5	17669	nd			
- strong pyrite interstitially		29.3	30.5	1.2	17670	20	842		
- 1-2% pyrite		30.5	31.4	0.9	17671	30	2409		

PAGE 3 OF 4 | PROJECT: JA2-CAB | HOLE NO. BB-3

DEPTH (m)	% CORE REC	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION A	ALTERATION B	ALTERATION C	ALTERATION D	ALTERATION E	FRACTURE INTENSITY	% VEIN QTZ.
				32.9-36.9m Recrystallized limestone - light grey. 34.2m 2-3 cm. $FeCO_3$ vein at 0° and parallel to c/a.							
				36.9-37.6m Clayey sediments ? - pale creamy green color, soft, bedding at 10° to c/a.							
				37.6-49.7m Recrystallized limestone - light grey color. 38.8-44.5m Strong yellow-orange colored $FeCO_3$ stringers shot through recrystallized limestone							
				49.7-51.2m Siltstone - light green colored, moderate chlorite alteration, bedding at 70° to c/a. Minor red jasper horizons.							
				51.2-65.2m Recrystallized limestone 64.6-65.1m - 3-5 mm $FeCO_3$ vein at 0-10° to c/a with py + cpy. 65.3m Specular hematite.							
				65.2-65.8m Siltstone - green colored, bedding at 45° to c/a.							
				65.8-68.0m Marble Zone - white colored, massive, mineralization scattered and patchy through-out - good. 67.5-67.7m Semi-massive pyrite + magnetite ± chalcopyrite + jasper.							
				68.0-69.1m Siltstone - green colored, mottled.							
				69.1-76.8m EOH Feldspar Porphyry Intrusive - pink colored, feldspar phenocrysts up to 5-6 mm, moderate to strong magnetite through-out.							

PAGE 4 OF 4	PROJECT: JAZ - GAB	HOLE NO. 88-3

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES FROM	SAMPLES TO	SAMPLES WIDTH	SAMPLE NUMBER	ASSAYS Au ppb	Ag ppm	As ppm	Cu ppm
- 1-2% pyrite		31.4	32.9	1.5	17672	20			
- patchy blebs of pyrite		32.9	34.7	1.8	17673	30			
- 1% disseminated pyrite.		34.7	36.9	2.2	17674	60			
- < 1% pyrite		36.9	37.6	0.7	17675	10			
- < 1% pyrite		37.6	38.8	1.2	17676	10			
- < 1% pyrite		38.8	40.5	1.7	17677	20			
- < 1% pyrite		40.5	42.3	1.8	17678	5			
- < 1% pyrite		42.3	44.5	2.2	17679	10			
- < 1% pyrite		44.5	46.9	2.4	17680	20			
- < 1% pyrite		46.9	47.6	0.7	17681	nd			
- < 1% pyrite		47.6	49.7	2.1	17682	10			
- < 1% pyrite		49.7	51.2	1.5	17683	20			
- < 1% pyrite		51.2	53.0	1.7	17684	10			
- 1% disseminated pyrite		53.0	55.2	2.2	17685	20			
- 1% disseminated pyrite		55.2	57.8	2.6	17686	10			
- 1% disseminated pyrite		57.8	59.6	1.8	17687	10			
- 1% disseminated pyrite		59.6	61.9	2.3	17688	5			
- 1% disseminated pyrite		61.9	64.9	3.0	17689	60			
- <1% pyrite through-out, cpy + pyrite in FeO, vein (3-5mm) at 0-10° to % at 65m		64.9	65.8	0.9	17690	nd			
- magnetite + pyrite ± chalcopyrite +jasper		65.8	67.4	1.6	17691	20			
- semi-massive pyrite + magnetite ± chalcopyrite + jasper.		67.4	68.0	0.6	17692	120	2.2	375	1336
- 1% disseminated pyrite		68.0	69.1	1.1	17693	20			
- 1% disseminated pyrite throughout with strong magnetite.		69.1	70.9	1.8	17694	nd			
- as above		70.9	72.7	1.8	17695	80			
- as above		72.7	74.4	1.7	17696	20			
- as above		74.4	76.8	2.4	17697	10			

PAMICON DEVELOPMENTS LIMITED

DRILL LOG

PROJECT: JAZZMAN RESOURCES LTD.	GROUND ELEV.: 1200 m.
HOLE NO.: JDH 88-4	BEARING: 165°
LOCATION:	DIP: -45°
	TOTAL LENGTH: 98.5 m
LOGGED BY: Steve Todoruk	HORIZONTAL PROJECT:
DATE: Oct. 2, 1988	VERTICAL PROJECT:
CONTRACTOR: Falcon Drilling Ltd.	
CORE SIZE: BQ	
DATE STARTED: Sept. 30, 1988	
DATE COMPLETED: Oct. 1, 1988	
DIP TESTS:	

ALTERATION SCALE

absent
slight
moderate
intense

TOTAL SULPHIDE SCALE

traces only
< 1%
1% – 3%
3% – 10%
> 10%

COMMENTS:

LEGEND:

PAGE 1 OF 4 | PROJECT: JA2-6AB | HOLE NO. 88-4

DEPTH	% CORE REC	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION
				0.0 - 2.9m Casing
				2.9 - 7.5m Recrystallized limestone - light grey color, $CaCO_3$ stringers throughout.
marble → 10				4.7 - 6.4m - some remnant crinoids.
				6.4 - 9.2m - jasper zones throughout recrystallized limestone
				7.5 - 8.4m Marble Zone - white colored, with strong jasperization. No magnetite. Some hematite ?
20				8.4 - 79.2m Recrystallized limestone
30				
40				
50 jasper →				
60				
70				
80				
90				

ALTERATION: A FeCO3 | B Jasper | C Chlt. | D Marble | E

FRACTURE INTENSITY | % VEIN QTZ.

PAGE 2 OF 4 | PROJECT: JAZ - GAB | HOLE NO. 88-4

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES FROM	SAMPLES TO	SAMPLES WIDTH	SAMPLE NUMBER	ASSAYS Au ppb
- 1-2% pyrite disseminated throughout.		2.9	4.7	1.8	17701	30
- as above		4.7	6.4	1.7	17702	nd
- blood red jasperization with 2-5% pyrite throughout.		6.4	7.5	1.1	17703	30
- good patchy pyrite throughout. With strong jasperization		7.5	8.4	0.9	17704	nd
- 1-3% pyrite with jasperization.		8.4	9.8	1.4	17705	nd
- 1% pyrite		9.8	11.8	2.0	17706	nd
- as above		11.8	13.7	1.9	17707	nd
- as above		13.7	15.6	1.9	17708	nd
- as above		15.6	17.4	1.8	17709	nd
- as above		17.4	19.2	1.8	17710	nd
- as above		19.2	20.7	1.5	17711	nd
- as above		20.7	22.6	1.9	17712	nd
- as above		22.6	24.7	2.1	17713	
- as above		24.7	26.6	1.9	17714	140
- as above		26.6	28.1	1.5	17715	20
- as above		28.1	29.7	1.6	17716	nd
- as above.		29.7	32.0	2.3	17717	nd
- as above		32.0	33.8	1.8	17718	nd
- as above		33.8	34.9	1.1	17719	nd
- as above		34.9	36.5	1.6	17720	nd
- as above		36.5	39.2	2.7	17721	nd
- as above		39.2	42.1	2.9	17722	nd
- as above		42.1	43.6	1.5	17723	nd
- as above		43.6	45.5	1.9	17724	nd
- as above		45.5	47.2	1.7	17725	nd
- as above		47.2	49.3	2.1	17726	nd
- as above		49.3	49.8	0.5	17727	nd
- 5-7 mm pyrite fracture stringer at 0-5° to c/a.						
- 1% disseminated pyrite		49.8	51.6	1.8	17728	nd
- 30 cm. jasper zone from 51.7 - 52.0m.		51.6	52.1	0.5	17729	nd
- 1% pyrite		52.1	53.6	1.5	17730	nd
- as above		53.6	55.8	2.2	17731	nd
- as above		55.8	58.3	2.5	17732	nd
- as above but moderate FeO_3 veining		58.3	59.2	0.9	17733	nd
- 1% pyrite		59.2	61.1	1.9	17734	nd
- as above		61.1	63.2	2.1	17735	nd
- as above		63.2	65.2	2.0	17736	nd

PAGE 3 OF 4 | PROJECT: JA2-GAB | HOLE NO. 88-4

DEPTH	% CORE REC	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION A	B	C	D	E	FRACTURE INTENSITY	% VEIN QTZ.
EOH 98.5m											
				79.2-81.1m Marblized Zone - white marble + red jasper + pyrite disseminated and patchy throughout. No magnetite. With siltstone interbedded.							
				81.1-84.2m Recrystallized limestone - light grey color.							
				84.2-89.1m Crinoidal limestone - fresher, doesn't appear very recrystallized.							
				89.1-90.6m Siltstone - light pale green color.							
				90.6-98.5m EOH Recrystallized limestone - light grey color.							

PAGE 4 OF 4 | PROJECT: JAZ - GAB | HOLE NO. 88-4

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES FROM	SAMPLES TO	SAMPLES WIDTH	SAMPLE NUMBER	ASSAYS Au ppb
- at 66.0m 3-4 mm pyrite fracture stringer at 0-10° to c/a		65.2	67.5	2.3	17737	nd
- 1% disseminated pyrite		67.5	69.7	2.2	17738	5
- as above		69.7	72.0	2.3	17739	nd
- as above		72.0	74.6	2.6	17740	nd
- as above		74.6	76.3	1.7	17741	nd
- as above		76.3	77.9	1.6	17742	nd
- as above		77.9	79.2	1.3	17743	nd
- Good sections of marble + jasper + pyrite		79.2	80.2	1.0	17744	nd
- jasper + marble + pyrite		80.2	81.1	0.9	17745	35
- 1-2% pyrite with minor jasper.		81.1	82.0	0.9	17746	nd
- 1% diss. pyrite		82.0	84.2	2.2	17747	nd
- <1% disseminated pyrite		84.2	86.3	2.1	17748	nd
- as above		86.3	89.1	2.8	17749	25
- <1% pyrite		89.1	90.6	1.5	17750	40
- 1% disseminated pyrite		90.6	93.8	3.2	19251	nd
- as above		93.8	96.6	2.8	19252	nd
- as above		96.6	98.5	1.9	19253	nd

PAMICON DEVELOPMENTS LIMITED

DRILL LOG

PROJECT: JAZZMAN RESOURCES LTD.	GROUND ELEV.: 1210 m.
HOLE NO.: JDH 88-5	BEARING: 340°
LOCATION:	DIP: -45°
	TOTAL LENGTH: 45.0m
LOGGED BY: Steve Todoruk	HORIZONTAL PROJECT:
DATE: Oct 3, 1988	VERTICAL PROJECT:
CONTRACTOR: Falcon Drilling Ltd.	ALTERATION SCALE
CORE SIZE: BQ	
DATE STARTED: Oct 1, 1988	TOTAL SULPHIDE SCALE
DATE COMPLETED: Oct. 2, 1988	
DIP TESTS:	

absent
slight
moderate
intense

traces only
< 1%
1% – 3%
3% – 10%
> 10%

COMMENTS

LEGEND

PAGE 1 OF 2 | PROJECT: JAZZMAN | HOLE NO. 88-5

DEPTH (m)	% CORE REC	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION A (FeCO3)	B (Jasper)	C (Marble)	D	E	FRACTURE INTENSITY	% VEIN QTZ
				0.0 - 0.6m casing							
				0.6 - 8.6m Recrystallized limestone - light grey color, many $CaCO_3$ narrow stringers through-out.							
marble → 10				8.6 - 9.1 m Marblized limestone - fairly white and massive, some little patches of pyrite.							
20 marble				9.1 - 18.4 m Recrystallized limestone							
30				18.4 - 21.6m Marble Zone - creamy light-brown color. No sulphides or jasper.							
marble → 40				21.6 - 29.8m Recrystallized limestone							
EOH				29.8 - 30.2m Siltstone - green colored.							
				30.2 - 30.5m Recrystallized limestone.							
				30.5 - 32.1m Marble Zone - creamy white-brown color. No sulphides or jasper seen.							
				32.1 - 34.8m Recrystallized limestone.							
				34.8 - 39.5m Marble Zone - creamy white-brown color.							
				39.5 - 45.0m EOH Siltstone to Green Porphyry ?? - phenocrysts of feldspar up to 3-5 mm set in lite green matrix.							
				* hole should have been deeper.							

PAGE 2 OF 2	PROJECT: JAZZMAN	HOLE NO. 88-5

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES FROM	SAMPLES TO	SAMPLES WIDTH	SAMPLE NUMBER	ASSAYS Au ppb
- < 1% disseminated pyrite.		0.6	3.5	2.9	19254	nd
- as above		3.5	6.2	2.7	19255	10
- as above		6.2	8.6	2.4	19256	10
- 1-2% pyrite in patches		8.6	9.1	0.5	19257	5
- 1% disseminated pyrite		9.1	11.6	2.5	19258	nd
- as above		11.6	14.1	2.5	19259	nd
- as above		14.1	16.2	2.1	19260	10
- as above		16.2	18.4	2.2	19261	10
- < 1% pyrite		18.4	20.3	1.9	19262	nd
- < 1% pyrite		20.3	21.6	1.3	19263	35
- as above		21.6	23.5	1.9	19264	nd
- as above		23.5	25.9	2.4	19265	5
- as above		25.9	28.0	2.1	19266	nd
- as above		28.0	29.5	1.5	19267	nd
- as above (limestone - siltstone contact).		29.5	30.5	1.0	19268	nd
- < 1% pyrite		30.5	32.1	1.6	19269	nd
- 1% pyrite		32.1	34.8	2.7	19270	20
- < 1% pyrite		34.8	36.7	1.9	19271	10
- < 1% pyrite		36.7	38.1	1.4	19272	15
- < 1% pyrite		38.1	39.5	1.4	19273	10
- 1% disseminated pyrite		39.5	41.8	2.3	19274	10
- as above		41.8	43.0	1.2	19275	nd
- 3-5% pyrite usually associated with white calcite veinlets		43.0	45.0	2.0	19276	180

APPENDIX V

ASSAY CERTIFICATES

VANGEOCHEM LAB LIMITED

MAIN OFFICE AND LABORATORY
1988 Triumph Street
Vancouver, B.C. V5L 1K5
(604)251-5656 FAX:254-5717

BRANCH OFFICE
1630 PANDORA ST.
VANCOUVER, B.C. V5L 1L6
(604) 251-5656

REPORT NUMBER: 881660 GA **JOB NUMBER: 881660** **PANICON DEVELOPMENT LTD.**

SAMPLE #	Au ppb
17701	30
17702	nd
17703	30
17704	nd
17705	nd
17706	nd
17707	nd
17708	nd
17709	nd
17710	nd
17711	nd
17712	nd

DETECTION LIMIT 5
nd = none detected **-- = not analysed** **is = insufficient sample**

VANGEOCHEM LAB LIMITED

MAIN OFFICE: 1988 TRIUMPH STREET, VANCOUVER B.C. V5L 1K5 PH:(604)251-5656 TELEX:04-352578
BRANCH OFFICE: 1630 PANDORA STREET. VANCOUVER B.C. V5L 1L6 PH:(604)251-7282 FAX:(604)254-5717

ICAP GEOCHEMICAL ANALYSIS

A .5 GRAM SAMPLE IS DIGESTED WITH 5 ML OF 3:1:3 HCL TO HNO3 TO H2O AT 95 DEG. C FOR 90 MINUTES AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR SN,MN,FE,CA,P,CR,MG,BA,PD,AL,NA,K,W,PT AND SR. AU AND PD DETECTION IS 3 PPM.
IS= INSUFFICIENT SAMPLE, ND= NOT DETECTED, -= NOT ANALYZED

COMPANY: PAMICON
ATTENTION: S. TODORUK
PROJECT: JAZZMAN

REPORT#: 881660PA
JOB#: 881660
INVOICE#: 881660NA

DATE RECEIVED: 88/10/14
DATE COMPLETED: 88/11/03
COPY SENT TO:

ANALYST

SAMPLE NAME	AG PPM	AL %	AS PPM	AU 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	PD PPM	PT PPM	SB PPM	SN PPM	SR PPM	U PPM	W PPM	ZN PPM
17701	1.8	.13	43	ND	29	ND	29.53	.1	4	15	88	2.02	3.95	.67	863	2	.01	8	.01	43	ND	ND	ND	ND	73	ND	ND	53
17702	.1	.02	21	ND	12	ND	29.57	.1	1	5	58	1.13	3.93	.64	1148	1	.02	5	.01	36	ND	ND	ND	ND	134	ND	ND	18
17703	1.3	1.30	117	ND	15	ND	29.62	.7	18	17	616	6.55	4.13	.76	1641	10	.03	54	.20	45	ND	ND	ND	ND	93	ND	ND	51
17704	.1	1.65	8	ND	22	ND	29.66	.3	5	25	78	4.82	4.08	.89	2534	16	.03	24	.06	35	ND	ND	ND	ND	86	ND	ND	53
17705	.1	.49	ND	ND	19	ND	29.71	.1	2	8	20	2.65	3.99	.31	612	23	.02	18	.03	27	ND	ND.	ND	ND	80	ND	ND	20
17706	.2	.26	29	ND	17	ND	29.76	.1	4	8	38	.94	3.97	.28	518	12	.02	20	.04	29	ND	ND	ND	ND	88	ND	ND	60
17707	.1	.21	ND	ND	10	ND	29.81	.1	2	14	37	.47	3.93	.24	445	8	.02	8	.04	26	ND	ND	ND	ND	94	ND	ND	33
17708	.1	.54	22	ND	16	ND	29.85	.1	4	7	175	.69	3.94	.26	600	43	.02	28	.07	28	ND	ND	ND	ND	72	ND	ND	158
17709	.1	.05	18	ND	7	ND	29.90	.1	1	5	13	.59	3.94	.06	369	4	.01	7	.11	25	ND	ND	ND	ND	83	ND	ND	19
17710	.1	.02	ND	ND	6	ND	29.94	.1	1	2	16	.30	3.93	.27	539	1	.01	2	.03	23	ND	ND	ND	ND	114	ND	ND	10
17711	.2	.01	ND	ND	6	ND	29.99	.1	1	1	17	.25	3.94	.26	473	ND	.01	2	.01	21	ND	ND	ND	ND	111	ND	ND	10
17712	.1	.01	ND	ND	6	ND	30.04	.1	1	1	15	.20	3.94	.16	422	ND	.01	2	.01	23	ND	ND	ND	ND	123	ND	ND	9
DETECTION LIMIT	.1	.01	3	3	1	3	.01	.1	1	1	1	.01	.01	.01	1	1	.01	1	.01	2	3	5	2	2	1	5	3	1

VANGEOCHEM LAB LIMITED

MAIN OFFICE AND LABORATORY
1988 Triumph Street
Vancouver, B.C. V5L 1K5
(604)251-5656 FAX:254-5717

BRANCH OFFICE
1630 PANDORA ST.
VANCOUVER, B.C. V5L 1L6
(604) 251-5656

REPORT NUMBER: 881685 GA JOB NUMBER: 881685 PANICON DEVELOPMENT LTD.

SAMPLE #	Au ppb
17732	nd
17733	nd
17734	nd
17735	nd
17736	nd
17737	nd
17738	5
17739	nd
17740	nd
17741	nd
17742	nd
17743	nd
17744	nd
17745	35
17746	nd
17747	nd
17748	nd
17749	25
17750	40
19251	nd
19252	nd
19253	nd
19254	nd
19255	1
19256	10
19257	5
19258	nd
19259	nd
19260	10
19261	10
19262	nd
19263	35
19264	nd
19265	5
19266	nd
19267	nd
19268	nd
19269	nd
19270	20
DETECTION LIMIT	5

nd = none detected -- = not analysed is = insufficient sample

VANGEOCHEM LAB LIMITED

MAIN OFFICE AND LABORATORY
1988 Triumph Street
Vancouver, B.C. V5L 1K5
(604)251-5656 FAX:254-5717

BRANCH OFFICE
1630 PANDORA ST.
VANCOUVER, B.C. V5L 1L6
(604) 251-5656

SAMPLE #	Au ppb
19271	10
19272	15
19273	10
19274	10
19275	nd
19276	180

DETECTION LIMIT 5
nd = none detected -- = not analysed is = insufficient sample

MAIN OFFICE: 1988 TRIUMPH STREET, VANC ER B.C. V5L 1K5 PH:(604)251-5656 TELEX:04-352578
BRANCH OFFICE: 1630 PANDORA STREET. VANCOUVER B.C. V5L 1L6 PH:(604)251-7282 FAX:(604)254-5717

ICAP GEOCHEMICAL ANALYSIS

A .5 GRAM SAMPLE IS DIGESTED WITH 5 ML OF 3:1:3 HCL TO HNO3 TO H2O AT 95 DEG. C FOR 90 MINUTES AND IS DILUTED TO 10 ML WITH WATER. THIS LEACH IS PARTIAL FOR SN,MN,FE,CA,P,CR,MG,BA,PD,AL,NA,K,W,PT AND SR. AU AND PD DETECTION IS 3 PPM. IS= INSUFFICIENT SAMPLE, ND= NOT DETECTED, -= NOT ANALYZED

COMPANY: PAMICON
ATTENTION: S. TODORUK
PROJECT: JAZZMAN

REPORT#: 881685PA
JOB#: 881685
INVOICE#: 881685NA

DATE RECEIVED: 88/10/19
DATE COMPLETED: 88/11/03
COPY SENT TO:

ANALYST

SAMPLE NAME	AG PPM	AL %	AS PPM	AU 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	PD PPM	PT PPM	SB PPM	SN PPM	SR PPM	U PPM	W PPM	ZN PPM
17732	.1	.05	ND	ND	42	ND	28.60	.1	1	5	35	.43	3.84	.37	564	2	.02	11	.03	24	ND	ND	ND	ND	104	ND	ND	16
17733	.1	.03	ND	ND	141	ND	28.83	.1	2	2	64	.83	3.89	.60	829	2	.02	4	.03	24	ND	ND	ND	ND	130	ND	ND	12
17734	.1	.02	ND	ND	45	ND	29.07	.1	2	3	29	.50	3.90	.36	573	2	.02	3	.02	26	ND	ND	ND	ND	106	ND	ND	15
17735	.1	.02	ND	ND	12	ND	29.30	.1	1	2	36	.44	3.93	.42	633	2	.02	4	.02	27	ND	ND	ND	ND	121	ND	ND	15
17736	.1	.02	ND	ND	28	ND	29.54	.1	1	3	17	.30	3.95	.38	519	1	.01	2	.02	25	ND	ND	ND	ND	152	ND	ND	12
17737	.1	.02	ND	ND	57	ND	29.77	.1	3	2	21	.96	4.00	.66	684	2	.01	4	.01	24	ND	ND	ND	ND	129	ND	ND	13
17738	.1	.02	160	ND	12	ND	30.01	.1	2	3	97	.48	4.02	.58	645	1	.01	7	.02	27	ND	ND	ND	ND	147	ND	ND	16
17739	.1	.03	23	ND	12	ND	30.24	.1	1	2	65	.47	4.04	.44	479	2	.02	5	.04	26	ND	ND	ND	ND	156	ND	ND	15
17740	.1	.03	ND	ND	10	ND	30.48	.1	1	3	24	.30	4.07	.31	453	2	.02	4	.11	29	ND	ND	ND	ND	142	ND	ND	11
17741	.1	.01	5	ND	8	ND	30.71	.1	1	2	26	.55	4.10	.62	591	2	.01	3	.13	25	ND	ND	ND	ND	135	ND	ND	11
17742	.1	.01	ND	ND	8	ND	30.95	.1	1	2	9	.69	4.14	.84	707	1	.01	4	.12	25	ND	ND	ND	ND	130	ND	ND	9
17743	.1	.02	ND	ND	12	ND	31.18	.1	1	1	10	.18	4.15	.27	283	1	.01	2	.03	23	ND	ND	ND	ND	151	ND	ND	14
17744	.1	.67	ND	ND	293	ND	31.42	.1	3	15	8	2.32	4.25	.44	1939	3	.02	13	.07	23	ND	ND	ND	ND	141	ND	ND	28
17745	.1	.35	ND	ND	78	ND	31.65	.1	3	11	17	2.75	4.29	.53	1170	3	.02	16	.03	18	ND	ND	ND	ND	122	ND	ND	24
17746	.1	.03	ND	ND	11	ND	31.89	.1	2	21	13	.27	4.23	.21	363	2	.01	5	.04	22	ND	ND	ND	ND	131	ND	ND	10
17747	.1	.02	ND	ND	10	ND	32.12	.1	1	2	12	.24	4.26	.30	420	1	.01	3	.06	25	ND	ND	ND	ND	135	ND	ND	11
17748	.1	.01	ND	ND	11	ND	32.36	.1	1	3	9	.21	4.29	.30	827	2	.01	3	.08	25	ND	ND	ND	ND	142	ND	ND	12
17749	.1	.02	ND	ND	11	ND	32.60	.1	2	2	11	.35	4.34	.44	523	2	.01	5	.07	24	ND	ND	ND	ND	124	ND	ND	15
17750	.1	.55	24	ND	34	ND	7.37	.1	5	56	28	1.14	1.02	.22	541	6	.01	17	.16	14	ND	ND	ND	ND	66	ND	ND	16
19251	.1	.05	ND	ND	17	ND	33.07	.1	1	3	9	.37	4.38	.55	456	2	.01	3	.27	32	ND	ND	ND	ND	201	ND	ND	16
19252	.1	.03	ND	ND	12	ND	33.54	.1	1	4	13	.50	4.44	.72	711	2	.01	13	.04	29	ND	ND	ND	ND	164	ND	ND	12
19253	.1	.02	ND	ND	24	ND	33.77	.1	1	2	18	.47	4.47	.65	733	2	.01	5	.09	29	ND	ND	ND	ND	174	ND	ND	11
19254	.1	.08	ND	ND	14	ND	34.01	.1	2	7	22	.33	4.49	.31	486	3	.02	7	.14	34	ND	ND	ND	ND	145	ND	ND	13
19255	.1	.04	ND	ND	13	ND	34.24	.1	2	3	39	.38	4.52	.49	539	3	.02	6	.02	34	ND	ND	ND	ND	143	ND	ND	13
19256	.1	.07	ND	ND	12	ND	34.48	.1	3	7	44	.49	4.55	.65	550	3	.02	7	.02	32	ND	ND	ND	ND	123	ND	ND	12
19257	.1	.03	25	ND	330	ND	34.71	.2	6	4	226	2.90	4.67	5.08	2455	6	.02	8	.01	27	ND	ND	ND	ND	108	ND	ND	14
19258	.1	.06	24	ND	11	ND	34.95	.1	4	6	39	.26	4.60	.24	308	4	.02	10	.02	41	ND	ND	ND	ND	80	ND	ND	13
19259	.1	.01	ND	ND	8	ND	35.18	.1	2	2	13	.28	4.63	.36	303	3	.02	5	.02	33	ND	ND	ND	ND	95	ND	ND	12
19260	.1	.02	18	ND	6	ND	35.42	.1	3	3	14	.06	4.65	.13	188	4	.02	5	.01	42	ND	ND	ND	1	82	ND	ND	14
19261	.1	.01	5	ND	16	ND	35.65	.1	3	3	28	.60	4.72	.99	615	4	.02	6	.02	41	ND	ND	ND	1	110	ND	ND	12
19262	.4	.01	ND	ND	6	ND	17.93	.8	5	6	127	5.32	2.56	9.02	4389	4	.02	3	.01	26	ND	ND	ND	1	58	ND	ND	18
19263	.6	.01	ND	ND	16	3	17.96	1.1	5	4	14	5.43	2.56	9.10	4359	4	.02	3	.01	28	ND	ND	ND	1	59	ND	ND	20
19264	.1	.01	3	ND	7	ND	36.36	.1	3	2	19	.25	4.77	.41	423	4	.02	5	.01	41	ND	ND	ND	1	89	ND	ND	13
19265	.1	.01	3	ND	7	ND	36.59	.1	3	3	22	.30	4.80	.40	448	4	.02	6	.01	43	ND	ND	ND	1	100	ND	ND	14
19266	.1	.01	ND	ND	8	ND	36.83	.1	3	4	15	.69	4.84	.76	614	4	.02	5	.01	40	ND	ND	ND	1	113	ND	ND	11
19267	.1	.01	4	ND	12	ND	37.06	.1	3	4	13	.49	4.87	.58	533	4	.02	6	.01	39	ND	ND	ND	1	145	ND	ND	11
19268	.3	.66	34	ND	19	ND	18.75	.7	11	37	32	.74	2.48	.53	416	9	.02	19	.19	45	ND	ND	ND	2	116	ND	ND	123
19269	.1	.04	ND	ND	12	ND	19.21	.6	5	7	24	2.82	2.62	6.97	2624	4	.02	5	.06	31	ND	ND	ND	2	90	ND	ND	17
19270	.1	.24	ND	ND	12	ND	37.77	.1	4	22	58	1.50	4.99	1.32	792	5	.02	10	.16	33	ND	ND	ND	ND	118	ND	ND	11
DETECTION LIMIT	.1	.01	3	3	1	3	.01	.1	1	1	1	.01	.01	.01	1	1	.01	1	.01	2	3	5	2	2	1	5	3	1

CLIENT: PANICON JOB#: 881685 PROJECT: JAZZMAN REPORT: 881685PA

SAMPLE NAME	AG PPM	AL %	AS PPM	AU 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	PD PPM	PT PPM	SB PPM	SN PPM	SR PPM	U PPM	W PPM	ZN PPM
19271	.1	.14	ND	ND	49	ND	19.59	.5	5	16	35	3.40	2.67	5.97	2747	2	.01	10	.10	16	ND	ND	ND	ND	99	ND	ND	16
19272	.1	.19	ND	ND	12	ND	17.73	.9	4	7	10	4.56	2.47	8.84	3987	2	.01	7	.38	12	ND	ND	ND	ND	84	ND	ND	18
19273	.1	.18	ND	ND	12	3	19.21	.9	6	25	18	5.71	2.71	9.13	4732	4	.02	6	.68	12	ND	ND	ND	ND	87	ND	ND	17
19274	.1	.65	5	ND	22	ND	4.22	.3	4	11	36	1.99	.62	2.42	1171	3	.01	6	.14	14	ND	ND	ND	ND	49	ND	ND	7
19275	.1	.55	ND	ND	88	ND	5.36	.5	1	33	89	2.10	.77	2.41	1166	3	.02	4	.11	14	ND	ND	ND	1	62	ND	ND	11
19276	.1	.72	ND	ND	116	ND	5.20	.9	11	9	11	3.61	.80	2.47	1021	3	.02	8	.09	15	ND	ND	ND	1	65	ND	ND	20
DETECTION LIMIT	.1	.01	3	3	1	3	.01	.1	1	1	1	.01	.01	.01	1	1	.01	1	.01	2	3	5	2	2	1	5	3	1

Chemex Labs Ltd.
Analytical Chemists * Geochemists * Registered Assayers
212 BROOKSBANK AVE., NORTH VANCOUVER,
BRITISH COLUMBIA, CANADA V7J-2C1
PHONE (604) 984-0221

: PAMICON DEVELOPMENTS LIMITED

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

A8826594

Comments: ATTN: STEVE L. TODORUK

CERTIFICATE A8826594

PAMICON DEVELOPMENTS LIMITED
PROJECT : JAZZMAN
P.O.# : NONE

Samples submitted to our lab in Vancouver, BC.
This report was printed on 6-NOV-88.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
214	2	Received sample as pulp
227	2	Rolling charge

* NOTE 1:

The 32 element ICP package is suitable for trace metals in soil and rock samples. Elements for which the nitric-aqua regia digestion is possibly incomplete are: Al, Ba, Be, Ca, Cr, Ga, K, La, Mg, Na, Sr, Ti, Tl, W.

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
398	2	Au oz/T: 1/2 assay ton	FA-AAS	0.002	20.00

Chemex Labs Ltd.
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PHONE (604) 984-0221

PAMICON DEVELOPMENTS LIMITED

711 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N4
Project : JAZZMAN
Comments: ATTN: STEVE L. TODORUK

**Page : 1
Tot. Pages: 1
Date : 6-NOV-88
Invoice # : I-8826594
P.O. # : NONE

CERTIFICATE OF ANALYSIS A8826594

SAMPLE DESCRIPTION	PREP CODE		Au oz/T									
881622 #17691	214	227	< 0.002									
881622 #17692	214	227	< 0.002									

ALL ASSAY DETERMINATIONS ARE PERFORMED OR SUPERVISED BY B.C. CERTIFIED ASSAYERS

CERTIFICATION : W. [signature]

Chemex Labs Ltd.
Analytical Chemists * Geochemists * Registered Assayers
212 BROOKSBANK AVE., NORTH VANCOUVER,
BRITISH COLUMBIA, CANADA V7J-2C1
PHONE (604) 984-0221

: PAMICON DEVELOPMENTS LIMITED

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

A8826416

Comments: ATTN: STEVE L. TODORUK

CERTIFICATE A8826416

PAMICON DEVELOPMENTS LIMITED
PROJECT : JA2-GAB
P.O.# : NONE

Samples submitted to our lab in Vancouver, BC.
This report was printed on 2-NOV-88.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
205	2	Rock Geochem: Crush,split,ring

* NOTE 1:

The 32 element ICP package is suitable for trace metals in soil and rock samples. Elements for which the nitric-aqua regia digestion is possibly incomplete are: Al, Ba, Be, Ca, Cr, Ga, K, La, Mg, Na, Sr, Ti, Tl, W.

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
100	2	Au ppb: Fuse 10 g sample	FA-AAS	5	10000

Chemex Labs Ltd.
Analytical Chemists * Geochemists * Registered Assayers
212 BROOKSBANK AVE., NORTH VANCOUVER,
BRITISH COLUMBIA, CANADA V7J-2C1
PHONE (604) 984-0221

PAMICON DEVELOPMENTS LIMITED

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

Project : JA2-GAB
Comments: ATTN: STEVE L. TODORUK

**Page : 1
Tot. Pages: 1
Date : 2-NOV-88
Invoice # : I-8826416
P.O. # : NONE

CERTIFICATE OF ANALYSIS A8826416

SAMPLE DESCRIPTION	PREP CODE		Au ppb FA+AA
17914	205	---	20
17915	205	---	50

CERTIFICATION : Mark Vme

VANGEOCHEM LAB LIMITED

MAIN OFFICE AND LABORATORY
1988 Triumph Street
Vancouver, B.C. V5L 1K5
(604)251-5656 FAX:254-5717

BRANCH OFFICE
1630 PANDORA ST.
VANCOUVER, B.C. V5L 1L6
(604) 251-5656

REPORT NUMBER: 881623 GA JOB NUMBER: 881623 [redacted]

SAMPLE #	Au ppb
17688	5
17689	60
17690	nd
17693	20
17694	nd
17695	80
17696	20
17697	10

DETECTION LIMIT 5
nd = none detected -- = not analysed is = insufficient sample

VANGEOCHEM LAB LIMITED

MAIN OFFICE: 1988 TRIUMPH STREET, VANCOUVER B.C. V5L 1K5 PH:(604)251-5656 TELEX:04-352578
BRANCH OFFICE: 1630 PANDORA STREET. VANCOUVER B.C. V5L 1L6 PH:(604)251-7282 FAX:(604)254-5717

ICAP GEOCHEMICAL ANALYSIS

A .5 GRAM SAMPLE IS DIGESTED WITH 5 ML OF 3:1:3 HCL TO HNO3 TO H2O AT 95 DEG. C FOR 90 MINUTES AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR SN,MN,FE,CA,P,CR,MG,BA,PD,AL,NA,K,W,PT AND SR. AU AND PD DETECTION IS 3 PPM.
IS= INSUFFICIENT SAMPLE, ND= NOT DETECTED, -= NOT ANALYZED

COMPANY: PAMICON
ATTENTION: S. TODORUK
PROJECT: JAZ-GAB

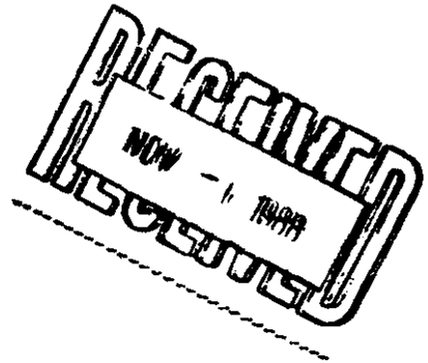
REPORT#: 881623PA
JOB#: 881623
INVOICE#: 881623NA

DATE RECEIVED: 88/10/11
DATE COMPLETED: 88/10/31
COPY SENT TO:

ANALYST

SAMPLE NAME	AG PPM	AL %	AS PPM	AU 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	PD PPM	PT PPM	SB PPM	SN PPM	SR PPM	U PPM	W PPM	ZN PPM
17688	.1	.03	ND	ND	7	ND	28.94	.1	1	1	13	.18	3.81	.16	320	1	.01	15	.02	27	ND	ND	ND	ND	112	ND	ND	11
17689	.1	.03	ND	ND	6	ND	28.98	.1	1	3	16	.31	3.82	.23	476	1	.01	5	.03	29	ND	ND	ND	ND	127	ND	ND	11
17690	.1	.71	ND	ND	37	ND	29.02	.1	2	6	490	1.40	3.86	.30	673	2	.02	9	.04	25	ND	ND	ND	ND	85	ND	ND	19
17693	.1	1.41	ND	ND	38	ND	5.46	.5	4	23	75	2.47	.81	.53	1483	5	.02	9	.09	26	ND	ND	ND	ND	79	ND	ND	82
17694	.1	1.32	ND	ND	962	ND	3.22	.6	9	11	13	2.98	.54	.82	803	1	.02	3	.14	26	ND	ND	ND	ND	139	ND	ND	61
17695	.1	1.15	ND	ND	711	ND	2.81	.6	9	14	8	2.71	.47	.71	661	1	.02	2	.13	24	ND	ND	ND	ND	118	ND	ND	46
17696	.1	1.29	ND	ND	1030	ND	3.17	.6	10	39	6	3.10	.53	.84	718	2	.02	3	.15	25	ND	ND	ND	ND	118	ND	ND	49
17697	.1	1.11	ND	ND	939	ND	3.50	.6	7	30	4	2.56	.56	.82	700	6	.02	3	.13	22	ND	ND	ND	ND	192	ND	ND	37
DETECTION LIMIT	.1	.01	3	3	1	3	.01	.1	1	1	1	.01	.01	.01	1	1	.01	1	.01	2	3	5	2	2	1	5	3	1

ANOMALOUS RESULTS:
FURTHER ANALYSES
BY ALTERNATE
METHODS SUGGESTED



VANGEOCHEM LAB LIMITED

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BRANCH OFFICE
1630 PANDORA ST.
VANCOUVER, B.C. V5L 1L6
(604) 251-5656

REPORT NUMBER: 881619 GA **JOB NUMBER: 881619** **PAMICON DEVELOPMENT LTD.**

SAMPLE #	Au ppb
17651	nd
17652	30
17653	30
17654	nd
17655	20
17656	nd
17657	nd
17658	20
17659	10
17660	50
17661	10
17662	10
17663	10
17664	10
17665	nd
17666	30
17667	10
17668	30
17669	nd
17670	20
17671	30
17672	20
17673	30
17674	60
17675	10
17676	10
17677	20
17678	5
17679	10
17680	20
17681	nd
17682	10
17683	20
17684	10
17685	20
17686	10
17687	10

DETECTION LIMIT 5

nd = none detected **-- = not analysed** **is = insufficient sample**

VANGEOCHEM LAB LIMITED

MAIN OFFICE: 1988 TRIUMPH STREET, VANCOUVER B.C. V5L 1K5 PH:(604)251-5656 TELEX:04-352848
BRANCH OFFICE: 1630 PANDORA STREET. VANCOUVER B.C. V5L 1L6 PH:(604)251-7282 FAX:(604)254-5717

ICAP GEOCHEMICAL ANALYSIS

ANOMALOUS RESULTS:
FURTHER ANALYSES
BY ALTERNATE
METHODS SUGGESTED

A .5 GRAM SAMPLE IS DIGESTED WITH 5 ML OF 3:1:2 HCL TO HNO3 TO H2O AT 95 DEG. C FOR 90 MINUTES AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR SN,MN,FE,CA,P,CR,MG,BA,PD,AL,NA,K,W,PT AND SR. AU AND PD DETECTION IS 3 PPM.
IS= INSUFFICIENT SAMPLE, ND= NOT DETECTED, -= NOT ANALYZED

RECEIVED
NOV - 1 1988

COMPANY: PAMICON
ATTENTION: S. TODORUK
PROJECT: JAZZMAN

REPORT#: 881619PA
JOB#: 881619
INVOICE#: 881619NA

DATE RECEIVED: 88/10/11
DATE COMPLETED: 88/10/31
COPY SENT TO:

ANALYST

SAMPLE NAME	AG PPM	AL %	AS PPM	AU 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	PD PPM	PT PPM	SB PPM	SN PPM	SR PPM	U PPM	W PPM	ZN PPM
17651	.1	.23	ND	ND	29	ND	1.73	.4	10	101	28	1.69	.29	.56	773	48	.01	4	.02	13	ND	ND	ND	1	9	ND	ND	6
17652	.1	.29	7	ND	23	ND	2.53	.4	10	71	140	1.47	.40	.77	745	27	.01	7	.04	16	ND	ND	ND	1	17	ND	ND	4
17653	.1	.13	67	ND	8	ND	26.86	.1	4	6	70	.76	3.72	.19	499	2	.02	12	.03	27	ND	ND	ND	ND	80	ND	ND	7
17654	.1	.02	84	ND	4	ND	26.87	.1	2	7	12	.67	3.72	.08	344	4	.02	8	.01	29	ND	ND	ND	ND	84	ND	ND	7
17655	.1	.02	17	ND	4	ND	26.89	.1	1	3	28	.32	3.71	.13	432	1	.02	3	.01	32	ND	ND	ND	ND	109	ND	ND	6
17656	.1	.03	91	ND	5	ND	26.91	.1	2	3	14	.88	3.73	.34	414	1	.02	8	.01	35	ND	ND	ND	ND	117	ND	ND	10
17657	.1	.13	113	ND	5	ND	26.93	.1	3	4	15	.93	3.73	.26	484	3	.02	9	.02	35	ND	ND	ND	ND	110	ND	ND	16
17658	.1	.02	48	ND	4	ND	26.95	.1	2	2	41	.24	3.71	.18	393	1	.02	3	.01	36	ND	ND	ND	ND	111	ND	ND	11
17659	.1	.03	5	ND	4	ND	26.97	.1	1	7	34	.43	3.70	.30	580	1	.02	5	.05	32	ND	ND	ND	ND	94	ND	ND	9
17660	.1	.02	ND	ND	7	ND	26.99	.1	1	1	19	.43	3.72	.34	684	1	.02	3	.01	39	ND	ND	ND	ND	152	ND	ND	10
17661	.1	.02	ND	ND	6	ND	27.01	.1	1	2	22	.23	3.72	.21	514	1	.02	2	.04	36	ND	ND	ND	ND	140	ND	ND	9
17662	.1	.02	6	ND	5	ND	27.03	.1	2	2	55	.36	3.72	.41	553	1	.02	4	.02	38	ND	ND	ND	ND	124	ND	ND	7
17663	.1	.03	8	ND	5	ND	27.05	.1	2	2	26	.28	3.72	.16	410	1	.02	4	.03	38	ND	ND	ND	ND	138	ND	ND	8
17664	.1	.01	26	ND	7	ND	27.07	.1	3	1	26	.36	3.72	.16	311	1	.02	6	.02	39	ND	ND	ND	ND	126	ND	ND	13
17665	.1	.01	ND	ND	8	ND	27.09	.1	2	1	24	.29	3.72	.23	369	1	.02	4	.03	39	ND	ND	ND	ND	130	ND	ND	11
17666	.1	.01	ND	ND	8	ND	27.11	.1	1	2	25	.15	3.72	.20	395	1	.02	2	.06	40	ND	ND	ND	ND	119	ND	ND	12
17667	.1	.01	ND	ND	7	ND	27.13	.1	2	2	90	.36	3.72	.47	603	4	.02	2	.04	36	ND	ND	ND	ND	98	ND	ND	8
17668	.1	.03	32	ND	5	ND	27.17	.1	2	10	17	.21	3.72	.11	530	8	.02	4	.22	35	ND	ND	ND	ND	88	ND	ND	10
17669	.1	.01	ND	ND	5	ND	27.19	.1	1	2	19	.12	3.69	.14	328	1	.02	2	.10	35	ND	ND	ND	ND	91	ND	ND	8
17670	.1	.13	33	ND	31	ND	27.23	8.3	2	12	42	.83	3.74	.07	328	7	.03	23	.16	48	ND	ND	ND	ND	67	ND	ND	842
17671	.1	.34	194	ND	13	ND	27.27	22.5	2	29	45	1.28	3.74	.18	736	6	.06	40	.41	49	ND	ND	ND	ND	54	ND	ND	2409
17672	.1	.07	ND	ND	42	ND	27.29	.1	2	5	27	.39	3.73	.14	322	2	.02	15	.05	38	ND	ND	ND	ND	99	ND	ND	72
17673	.1	.07	76	ND	61	ND	27.31	.1	3	4	77	.88	3.75	.19	398	2	.02	26	.04	37	ND	ND	ND	ND	103	ND	ND	40
17674	.1	.01	ND	ND	12	ND	27.33	.1	2	2	23	.28	3.73	.42	383	1	.02	6	.01	34	ND	ND	ND	ND	114	ND	ND	15
17675	.1	.47	ND	ND	18	ND	27.34	.1	1	11	17	.21	3.73	.19	373	5	.02	6	.24	31	ND	ND	ND	ND	103	ND	ND	13
17676	.1	.03	ND	ND	9	ND	27.36	.1	1	2	26	.14	3.73	.21	235	1	.02	3	.14	35	ND	ND	ND	ND	143	ND	ND	11
17677	.1	.01	ND	ND	4	ND	27.38	.1	1	2	11	.50	3.74	.78	545	1	.02	4	.07	37	ND	ND	ND	ND	113	ND	ND	8
17678	.1	.02	ND	ND	7	ND	27.40	.2	2	3	10	.81	3.75	1.13	761	1	.02	5	.07	37	ND	ND	ND	ND	126	ND	ND	9
17679	.1	.03	ND	ND	7	ND	27.42	.4	2	4	11	1.04	3.76	1.12	975	2	.02	6	.08	41	ND	ND	ND	ND	128	ND	ND	9
17680	.1	.09	ND	ND	11	ND	27.44	.1	1	7	11	.22	3.72	.27	310	2	.02	4	.09	37	ND	ND	ND	ND	110	ND	ND	10
17681	.7	.76	ND	ND	40	ND	6.12	.4	4	11	9	1.80	.89	.26	314	6	.02	30	.02	30	ND	ND	ND	1	46	ND	ND	21
17682	.1	.11	ND	ND	16	ND	27.48	.1	2	5	13	.36	3.74	.30	378	1	.02	6	.13	41	ND	ND	ND	ND	148	ND	ND	21
17683	.1	.71	ND	ND	28	ND	12.63	.2	4	25	14	1.65	1.77	.38	658	10	.02	18	.07	33	ND	ND	ND	1	78	ND	ND	25
17684	.1	.38	ND	ND	28	ND	27.52	.1	3	7	42	.81	3.75	.28	411	9	.02	12	.06	35	ND	ND	ND	ND	97	ND	ND	15
17685	.1	.02	ND	ND	5	ND	27.54	.1	2	5	16	.34	3.74	.39	438	1	.02	3	.04	37	ND	ND	ND	ND	108	ND	ND	17
17686	.1	.04	ND	ND	6	ND	27.56	.1	2	4	18	.21	3.74	.24	319	1	.02	3	.13	42	ND	ND	ND	ND	128	ND	ND	14
17687	.1	.07	ND	ND	91	ND	27.58	.1	2	3	16	.23	3.74	.22	340	3	.02	3	.04	38	ND	ND	ND	ND	118	ND	ND	11
DETECTION LIMIT	.1	.01	3	3	1	3	.01	.1	1	1	1	.01	.01	.01	1	1	.01	1	.01	2	3	5	2	2	1	5	3	1

VANGEOCHEM LAB LIMITED

MAIN OFFICE AND LABORATORY
1988 Triumph Street
Vancouver, B.C. V5L 1K5
(604)251-5656 FAX:254-5717

BRANCH OFFICE
1630 PANDORA ST.
VANCOUVER, B.C. V5L 1L6
(604) 251-5656

REPORT NUMBER: 881670 GA **JOB NUMBER: 881670** **PANICON DEVELOPMENT LTD.**

SAMPLE #	Au ppb
17714	140
17715	20
17716	nd
17717	nd
17718	nd
17719	nd
17720	nd
17721	nd
17722	nd
17723	nd
17724	nd
17725	nd
17726	nd
17727	nd
17728	nd
17729	nd
17730	nd
17731	nd

DETECTION LIMIT 5
nd = none detected **-- = not analysed** **is = insufficient sample**

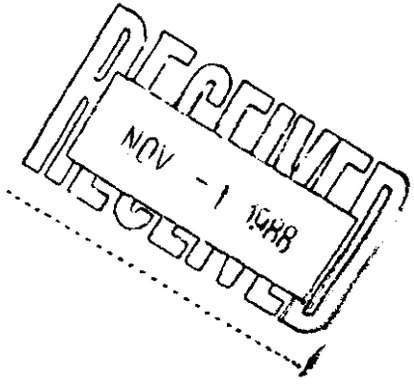
VANGEOCHEM LAB LIMITED
988 T H ST
VANCO B.C. V5L 1K5
(604) 251-5[illegible] FAX (604) 254-5717

REPORT #: 881670 PA PAMICON Proj: JAZZMAN. Date In: 88/10/17 Date Out:88/10/28 Att: S. TODORUK VGC ICP REPORT

Sample Number	Ag	Al	As	Au	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Mo	Na	Ni	P	Pb	Pd	Pt	Sb	Sn	Sr	U	W	Zn
	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
17714	0.1	0.04	<3	<3	11	<3	>10.00	0.1	2	3	197	0.27	3.76	0.15	434	1	0.01	8	0.01	502	<3	<5	<2	<2	113	<5	<3	12
17715	0.1	0.09	<3	<3	26	<3	>10.00	0.1	2	4	44	0.41	3.76	0.19	550	3	0.02	9	0.02	55	<3	<5	<2	<2	137	<5	<3	8
17716	0.1	0.02	<3	<3	23	<3	>10.00	0.1	1	1	30	0.50	3.78	0.29	686	1	0.02	5	0.02	34	<3	<5	<2	<2	206	<5	<3	9
17717	0.1	0.02	<3	<3	8	<3	>10.00	0.1	1	4	18	0.20	3.76	0.11	409	1	0.02	4	0.01	35	<3	<5	<2	<2	115	<5	<3	12
17718	0.1	0.01	<3	<3	9	<3	>10.00	0.1	1	3	27	0.18	3.76	0.07	432	1	0.02	4	0.02	30	<3	<5	<2	<2	108	<5	<3	12
17719	0.1	0.01	9	<3	7	<3	>10.00	0.1	1	1	19	0.19	3.76	0.08	345	1	0.02	5	0.04	62	<3	<5	<2	<2	95	<5	<3	8
17720	0.1	0.02	<3	<3	9	<3	>10.00	0.1	1	1	17	0.08	3.76	0.06	332	1	0.02	3	0.03	30	<3	<5	<2	<2	103	<5	<3	10
17721	0.1	0.01	<3	<3	7	<3	>10.00	0.1	1	1	12	0.10	3.76	0.12	305	1	0.02	2	0.07	28	<3	<5	<2	<2	102	<5	<3	9
17722	0.1	0.01	<3	<3	6	<3	>10.00	0.1	1	1	26	0.13	3.76	0.14	399	1	0.02	2	0.04	30	<3	<5	<2	<2	113	<5	<3	9
17723	0.1	0.01	<3	<3	6	<3	>10.00	0.1	1	1	26	0.12	3.76	0.15	332	1	0.02	2	0.05	24	<3	<5	<2	<2	104	<5	<3	8
17724	0.1	0.01	<3	<3	6	<3	>10.00	0.1	1	1	17	0.26	3.77	0.34	471	1	0.02	2	0.02	25	<3	<5	<2	<2	97	<5	<3	8
17725	0.1	0.01	<3	<3	8	<3	>10.00	0.1	1	1	13	0.32	3.77	0.35	535	1	0.02	3	0.01	28	<3	<5	<2	<2	107	<5	<3	9
17726	0.1	0.01	<3	<3	8	<3	>10.00	0.1	2	1	35	0.28	3.77	0.21	405	1	0.02	4	0.03	30	<3	<5	<2	<2	117	<5	<3	11
17727	0.1	0.03	106	<3	8	<3	>10.00	0.1	6	2	108	1.32	3.80	0.18	416	1	0.02	23	0.03	32	<3	<5	<2	<2	126	<5	<3	14
17728	0.1	0.07	<3	<3	7	<3	>10.00	0.1	5	3	96	0.34	3.77	0.22	371	1	0.02	8	0.04	27	<3	<5	<2	<2	138	<5	<3	8
17729	0.1	0.02	26	<3	5	<3	>10.00	0.1	6	42	22	0.97	3.78	0.67	701	2	0.01	10	0.01	19	<3	<5	<2	<2	96	<5	<3	7
17730	0.1	0.02	<3	<3	7	<3	>10.00	0.1	2	3	18	0.54	3.78	0.50	660	1	0.02	4	0.06	28	<3	<5	<2	<2	111	<5	<3	7
17731	0.1	0.02	<3	<3	8	<3	>10.00	0.1	2	2	53	0.38	3.77	0.39	584	1	0.02	3	0.04	28	<3	<5	<2	<2	118	<5	<3	9
Minimum Detection	0.1	0.01	3	3	1	3	0.01	0.1	1	1	1	0.01	0.01	0.01	1	1	0.01	1	0.01	2	3	5	2	2	1	5	3	1
Maximum Detection	50.0	10.00	2000	100	1000	1000	10.00	1000.0	20000	1000	20000	10.00	10.00	10.00	20000	1000	10.00	20000	10.00	20000	100	100	2000	1000	10000	100	1000	20000

< = Less than Minimum is = Insufficient Sample ns = No sample > = Greater than Maximum AuFA = Fire assay/AAS

ANOMALOUS RESULTS:
FURTHER ANALYSES
BY ALTERNATE
METHODS SUGGESTED



VANGEOCHEM LAB LIMITED

MAIN OFFICE AND LABORATORY
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(604)251-5656 FAX:254-5717

BRANCH OFFICE
1630 PANDORA ST.
VANCOUVER, B.C. V5L 1L6
(604) 251-5656

REPORT NUMBER: 881548 GA JOB NUMBER: 881548 PAMICON DEVELOPMENT LTD. PAGE 1 OF 1

SAMPLE #	Au ppb
21372	>10000
21373	4900
21374	300
21375	100

DETECTION LIMIT 5
nd = none detected -- = not analysed is = insufficient sample

VANGEOCHEM LAB LIMITED

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1988 Triumph Street
Vancouver, B.C. V5L 1K5
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(604) 251-5656

REPORT NUMBER: 881548 AA JOB NUMBER: 881548 PAMICON DEVELOPMENT LTD. PAGE 1 OF 1

SAMPLE #	Au oz/st
21372	.262
21373	.099

DETECTION LIMIT .005

1 Troy oz/short ton = 34.28 ppm 1 ppm = 0.0001% ppm = parts per million < = less than

signed: _____

VANGEOCHEM LAB LIMITED

MAIN OFFICE: 1988 TRIUMPH STREET, VANCOUVER B.C. V5L 1K5 PH:(604)251-5656 TELEX:04-352578
BRANCH OFFICE: 1630 PANDORA STREET. VANCOUVER B.C. V5L 1L6 PH:(604)251-7282 FAX:(604)254-5717

ICAP GEOCHEMICAL ANALYSIS

A .5 GRAM SAMPLE IS DIGESTED WITH 5 ML OF 3:1:3 HCL TO HNO3 TO H2O AT 95 DEG. C FOR 90 MINUTES AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR SN,MN,FE,CA,P,CR,MG,BA,PD,AL,NA,K,W,PT AND SR. AU AND PD DETECTION IS 3 PPM.
IS= INSUFFICIENT SAMPLE, ND= NOT DETECTED, -= NOT ANALYZED

COMPANY: PAMICON
ATTENTION: S. TODORUK
PROJECT: JAZ-GAB

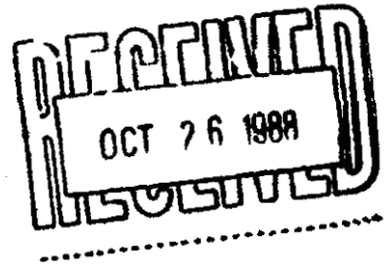
REPORT#: 881548PA
JOB#: 881548
INVOICE#: 881548NA

DATE RECEIVED: 88/10/03
DATE COMPLETED: 88/10/26
COPY SENT TO:

ANALYST

SAMPLE NAME	AG PPM	AL %	AS PPM	AU 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	PD PPM	PT PPM	SB PPM	SN PPM	SR PPM	U PPM	W PPM	ZN PPM
21372	8.1	.81	1664	10	15	8	.10	.1	57	48	652	14.81	.62	.23	240	7	.04	26	.05	88	ND	ND	ND	ND	3	ND	ND	47
21373	8.4	1.65	1229	ND	6	16	.07	2.7	11	78	816	22.78	.94	.74	432	11	.06	38	.03	114	ND	ND	ND	ND	2	ND	ND	74
21374	.1	.24	32	ND	217	ND	40.06	.8	25	5	53	6.73	6.48	1.62	2164	4	.02	15	.01	26	ND	ND	ND	ND	269	ND	ND	233
21375	.2	.06	ND	ND	16	ND	40.05	.1	ND	6	25	2.16	6.34	1.39	1254	1	.01	17	.01	66	ND	ND	ND	ND	258	ND	ND	74
DETECTION LIMIT	.1	.01	3	3	1	3	.01	.1	1	1	1	.01	.01	.01	1	1	.01	1	.01	2	3	5	2	2	1	5	3	1

ANOMALOUS RESULTS:
FURTHER ANALYSES
BY ALTERNATE
METHODS SUGGESTED



VANGEOCHEM LAB LIMITED

MAIN OFFICE AND LABORATORY
1988 Triumph Street
Vancouver, B.C. V5L 1K5
(604)251-5656 FAX:254-5717

BRANCH OFFICE
1630 PANDORA ST.
VANCOUVER, B.C. V5L 1L6
(604) 251-5656

REPORT NUMBER: 881547 GA JOB NUMBER: 881547 PAMICON DEVELOPMENT LTD.

SAMPLE #	Au ppb
22556	70
22557	340

DETECTION LIMIT 5
nd = none detected -- = not analysed is = insufficient sample

VANGEOCHEM LAB LIMITED

MAIN OFFICE: 1988 TRIUMPH STREET, VANCOUVER B.C. V5L 1K5 PH:(604)251-5656 TELEX:04-352578
BRANCH OFFICE: 1630 PANDORA STREET. VANCOUVER B.C. V5L 1L6 PH:(604)251-7282 FAX:(604)254-5717

ICAP GEOCHEMICAL ANALYSIS

A .5 GRAM SAMPLE IS DIGESTED WITH 5 ML OF 3:1:3 HCL TO HNO3 TO H2O AT 95 DEG. C FOR 90 MINUTES AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR SN,MN,FE,CA,P,CR,MG,BA,PD,AL,NA,K,W,PT AND SR. AU AND PD DETECTION IS 3 PPM.
IS= INSUFFICIENT SAMPLE, ND= NOT DETECTED, -= NOT ANALYZED

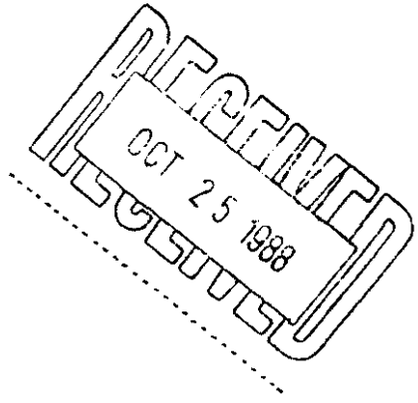
COMPANY: PAMICON
ATTENTION: S. TODORUK
PROJECT: 1433-Gab

REPORT#: 881547PA
JOB#: 881547
INVOICE#: 881547NA

DATE RECEIVED: 88/10/03
DATE COMPLETED: 88/10/24
COPY SENT TO:

ANALYST

SAMPLE NAME	AG PPM	AL %	AS PPM	AU 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	PD PPM	PT PPM	SB PPM	SN PPM	SR PPM	U PPM	W PPM	ZN PPM
22556	.1	.22	10	ND	34	ND	.80	.1	58	66	130	1.62	.16	.41	293	2	.01	14	.02	8	ND	ND	ND	1	8	ND	ND	5
22557	.6	1.55	55	ND	21	3	6.42	1.3	16	39	20567	5.53	1.05	1.36	991	37	.02	46	.07	26	ND	ND	ND	ND	52	ND	ND	82
DETECTION LIMIT	.1	.01	3	3	1	3	.01	.1	1	1	1	.01	.01	.01	1	1	.01	1	.01	2	3	5	2	2	1	5	3	1



VANGEOCHEM LAB LIMITED

MAIN OFFICE AND LABORATORY
1988 Triumph Street
Vancouver, B.C. V5L 1K5
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BRANCH OFFICE
1630 PANDORA ST.
VANCOUVER, B.C. V5L 1L6
(604) 251-5656

REPORT NUMBER: 881622 GA **JOB NUMBER: 881622** **PANICON DEVELOPMENT LTD.**

SAMPLE #	Au ppb
17691	20
17692	120

DETECTION LIMIT 5

nd = none detected **-- = not analysed** **is = insufficient sample**

VANGEOCHEM LAB LIMITED

MAIN OFFICE: 1988 TRIUMPH STREET, VANCOUVER B.C. V5L 1K5 PH:(604)251-5656 TELEX:04-352578
BRANCH OFFICE: 1630 PANDORA STREET. VANCOUVER B.C. V5L 1L6 PH:(604)251-7282 FAX:(604)254-5717

ICAP GEOCHEMICAL ANALYSIS

A .5 GRAM SAMPLE IS DIGESTED WITH 5 ML OF 3:1:3 HCL TO HNO3 TO H2O AT 95 DEG. C FOR 90 MINUTES AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR SN,MN,FE,CA,P,CR,MG,BA,PD,AL,NA,K,W,PT AND SR. AU AND PD DETECTION IS 3 PPM.
IS= INSUFFICIENT SAMPLE, ND= NOT DETECTED, -= NOT ANALYZED

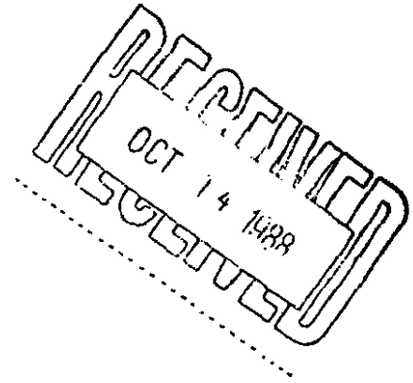
COMPANY: PAMICON DEVELOPMENT
ATTENTION: MR. C. IKKONA
PROJECT: JAZ-GAB

REPORT#: 881622PA
JOB#: 881622PA
INVOICE#: 881622NA

DATE RECEIVED: 88/10/11
DATE COMPLETED: 88/10/14
COPY SENT TO:

ANALYST

SAMPLE NAME	AG PPM	AL %	AS PPM	AU 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	PD PPM	PT PPM	SB PPM	SN PPM	SR PPM	U PPM	W PPM	ZN PPM
17691	.1	1.53	ND	ND	26	ND	32.72	.6	1	18	30	4.55	3.68	.50	5155	8	.01	5	.12	31	ND	ND	ND	ND	130	ND	ND	52
17692	2.2	1.06	375	ND	30	3	10.64	1.3	57	27	1336	10.01	1.39	.47	3777	41	.02	13	.04	24	ND	ND	ND	ND	110	ND	ND	56
DETECTION LIMIT	.1	.01	3	3	1	3	.01	.1	1	1	1	.01	.01	.01	1	1	.01	1	.01	2	3	5	2	2	1	5	3	1



VANGEOCHEM LAB LIMITED

MAIN OFFICE
1521 PEMBERTON AVE.
NORTH VANCOUVER, B.C. V7P 2S3
(604) 986-5211 TELEX: 04-352578

BRANCH OFFICE
1630 PANDORA ST.
VANCOUVER, B.C. V5L 1L6
(604) 251-5656

REPORT # : 881493 AA PAMICON DEVELOPMENT

SAMPLE NAME		Sple Wt gram	Au mg	Au oz/st
(881391) 18327	(TOTAL)	167.07	--	0.072
(881391) 18327	(+150)	7.11	0.017	--
(881391) 18327	(-150)	159.96	--	0.072
(880884) 23507	(TOTAL)	36.94	--	4.967
(880884) 23507	(+150)	5.69	4.052	--
(880884) 23507	(-150)	31.25	--	2.090
(880884) 23510	(TOTAL)	25.96	--	0.230
(880884) 23510	(+150)	5.14	0.032	--
(880884) 23510	(-150)	20.82	--	0.242
(881028) 23577	(TOTAL)	227.87	--	0.137
(881028) 23577	(+150)	4.50	0.185	--
(881028) 23577	(-150)	223.37	--	0.116
(881164) 23664	(TOTAL)	200.15	--	0.385
(881164) 23664	(+150)	10.65	0.162	--
(881164) 23664	(-150)	189.50	--	0.382
(881164) 23665	(TOTAL)	173.45	--	0.467
(881164) 23665	(+150)	10.97	1.040	--
(881164) 23665	(-150)	162.48	--	0.312
(881164) 23666	(TOTAL)	185.94	--	0.086
(881164) 23666	(+150)	11.53	0.024	--
(881164) 23666	(-150)	174.41	--	0.088
[redacted]	(TOTAL)	234.06	--	0.046
[redacted]	(+150)	13.73	0.037	--
[redacted]	(-150)	220.33	--	0.044
(881399) 18363	(TOTAL)	209.32	--	0.005
(881399) 18363	(+150)	10.55	0.003	--
(881399) 18363	(-150)	198.77	--	0.005
(881399) 18372	(TOTAL)	199.76	--	0.045
(881399) 18372	(+150)	11.64	0.013	--
(881399) 18372	(-150)	188.12	--	0.046

Ja33-Ga6

< = less than minimum is = insufficient sample

VANGEOCHEM LAB LIMITED

MAIN OFFICE AND LABORATORY
1988 Triumph Street
Vancouver, B.C. V5L 1K5
(604)251-5656 FAX:254-5717

BRANCH OFFICE
1630 PANDORA ST.
VANCOUVER, B.C. V5L 1L6
(604) 251-5656

REPORT NUMBER: 881311 GA JOB NUMBER: 881311 PANICON DEVELOPMENT LTD. PAGE 1 OF 1

SAMPLE #	Au ppb
17881	nd
17882	nd
17883	nd
17884	nd
17885	30
17886	10
17887	nd
17888	nd
17889	85
17890	nd
17891	60
17892	nd
17893	nd
17894	nd
17895	10
17896	nd
17897	nd
17898	nd
17899	20
17900	nd
17901	nd
17902	90
17903	50
17904	1410
17905	970
17906	220
17907	1960
17908	30
17909	90

DETECTION LIMIT 5

nd = none detected -- = not analysed is = insufficient sample

MAIN OFFICE: 1988 TRIUMPH STREET, . .COUVER B.C. V5L 1K5 PH:(604)251-5656 TELEX:04-352578
BRANCH OFFICE: 1630 PANDORA STREET. VANCOUVER B.C. V5L 1L6 PH:(604)251-7282 FAX:(604)254-5717

ICAP GEOCHEMICAL ANALYSIS

A .5 GRAM SAMPLE IS DIGESTED WITH 5 ML OF 3:1:3 HCL TO HNO3 TO H2O AT 95 DEG. C FOR 90 MINUTES AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR SN,MN,FE,CA,P,CR,MG,BA,PD,AL,NA,K,W,PT AND SR. AU AND PD DETECTION IS 3 PPM.
IS= INSUFFICIENT SAMPLE, ND= NOT DETECTED, -= NOT ANALYZED

COMPANY: PAMICON
ATTENTION: S. TODORUK
PROJECT: JAZZMAN

REPORT#: 881311PA
JOB#: 881311
INVOICE#: 881311NA

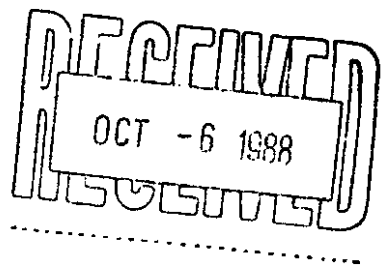
DATE RECEIVED: 88/09/09
DATE COMPLETED: 88/10/04
COPY SENT TO:

ANALYST

Sample Number	Ag	Al	As	Au	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Mo	Na	Ni	P	Pb	Pd	Pt	Sb	Sn	Sr	U	W	Zn
	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
17881	0.1	0.48	13	<3	65	<3	4.46	0.7	11	13	42	3.49	0.96	2.13	1400	2	0.01	10	0.10	14	<3	<5	<2	4	80	<5	<3	23
17882	0.2	0.46	15	<3	348	<3	3.25	0.5	22	27	8	2.64	0.68	1.60	856	2	0.01	8	0.05	15	<3	<5	<2	3	66	<5	<3	18
17883	0.1	0.26	15	<3	32	<3	2.44	0.1	12	76	53	2.02	0.49	0.95	665	1	0.01	8	0.04	8	<3	<5	<2	3	59	<5	<3	12
17884	0.1	0.46	15	<3	44	<3	3.04	0.1	12	49	8	2.56	0.62	0.99	860	4	0.01	5	0.09	12	<3	<5	<2	3	65	<5	<3	17
17885	0.1	0.29	13	<3	58	<3	3.31	0.1	7	16	6	2.11	0.66	1.14	1186	2	0.01	4	0.08	8	<3	<5	<2	3	65	<5	<3	12
17886	0.1	0.44	12	<3	114	<3	3.20	0.1	8	25	5	2.18	0.64	0.90	1317	2	0.02	3	0.09	11	<3	<5	<2	3	77	<5	<3	17
17887	0.1	0.47	12	<3	172	<3	2.77	0.1	8	31	3	2.12	0.55	0.58	1518	2	0.02	3	0.09	11	<3	<5	<2	2	110	<5	<3	22
17888	0.3	0.45	11	<3	277	<3	2.41	0.1	7	36	5	2.11	0.48	0.54	1334	3	0.02	3	0.09	13	<3	<5	<2	2	142	<5	<3	25
17889	0.1	0.06	6	<3	15	<3	>10.00	0.1	2	4	7	1.12	9.48	0.76	828	1	0.01	5	0.01	15	<3	<5	<2	<2	236	<5	<3	11
17890	0.1	0.35	13	<3	41	<3	4.75	0.3	10	28	16	2.80	0.95	1.52	1418	3	0.01	7	0.09	11	<3	<5	<2	3	58	<5	<3	8
17891	0.1	0.09	5	<3	16	<3	>10.00	0.1	1	10	9	0.94	9.43	0.62	934	7	0.01	4	0.09	12	<3	<5	<2	<2	108	<5	<3	14
17892	0.1	0.04	4	<3	11	<3	>10.00	0.1	1	31	12	0.60	9.39	0.40	823	3	0.01	6	0.09	12	<3	<5	<2	<2	138	<5	<3	12
17893	0.1	0.03	11	<3	11	<3	>10.00	0.1	4	12	16	0.63	9.36	0.55	861	2	0.01	10	0.11	18	<3	<5	<2	<2	146	<5	<3	17
17894	0.1	0.05	13	<3	10	3	>10.00	1.4	6	23	15	6.20	3.00	6.27	3037	3	0.01	14	0.10	16	<3	<5	<2	4	59	<5	<3	30
17895	0.1	0.05	26	<3	12	<3	>10.00	0.1	2	5	11	0.53	9.29	0.27	1048	2	0.01	6	0.05	19	<3	<5	<2	<2	92	<5	<3	13
17896	0.3	0.03	6	<3	8	<3	>10.00	0.1	2	2	7	0.27	9.23	0.24	775	2	0.01	6	0.02	21	<3	<5	<2	<2	123	<5	<3	12
17897	0.1	0.05	6	<3	8	<3	>10.00	0.1	1	12	11	0.27	9.22	0.26	814	2	0.01	5	0.01	18	<3	<5	<2	<2	111	<5	<3	11
17898	0.1	0.23	8	<3	11	<3	>10.00	0.1	3	23	14	1.24	9.28	1.12	836	2	0.01	13	0.13	19	<3	<5	<2	<2	115	<5	<3	26
17899	0.1	0.19	15	<3	27	3	8.12	1.2	10	19	643	4.65	1.69	3.68	2143	4	0.01	11	0.06	15	<3	<5	<2	4	51	<5	<3	10
17900	0.1	0.26	17	<3	54	<3	2.70	0.1	12	16	56	2.02	0.52	1.19	897	3	0.01	7	0.09	12	<3	<5	<2	2	39	<5	<3	8
17901	0.1	1.14	24	<3	199	<3	2.80	0.7	22	19	78	3.75	0.62	1.85	954	3	0.01	27	0.09	27	<3	<5	<2	3	56	<5	<3	27
17902	0.5	1.40	106	<3	40	<3	2.32	1.5	24	26	71	4.89	0.59	1.91	901	4	0.01	15	0.10	35	<3	<5	<2	4	55	<5	<3	43
17903	0.3	1.50	33	<3	34	<3	2.71	1.1	25	21	194	4.29	0.63	2.13	1174	4	0.01	18	0.09	30	<3	<5	<2	4	39	<5	<3	37
17904	0.3	0.28	153	<3	14	4	6.94	2.4	30	12	77	7.41	1.58	3.89	1887	5	0.01	11	0.04	22	<3	<5	<2	5	67	<5	<3	15
17905	0.5	0.74	92	<3	24	3	3.29	1.9	28	30	271	6.44	0.85	1.98	1779	5	0.01	12	0.05	31	<3	<5	<2	5	57	<5	<3	17
17906	0.3	2.37	39	<3	18	6	1.93	2.7	38	26	352	>10.00	0.85	1.95	4365	6	0.01	53	0.09	46	<3	<5	<2	7	45	<5	<3	59
17907	0.6	1.70	133	<3	10	9	2.99	4.5	37	32	427	>10.00	1.30	2.65	7197	8	0.02	57	0.05	51	<3	<5	<2	9	90	<5	<3	41
17908	0.1	2.16	26	<3	18	3	3.14	1.7	18	19	49	6.93	0.87	2.31	8033	6	0.01	80	0.07	40	<3	<5	<2	5	49	<5	<3	40
17909	0.5	0.65	38	<3	23	<3	2.67	0.7	22	96	17	3.50	0.57	1.54	1819	8	0.01	64	0.07	22	<3	<5	<2	4	32	<5	<3	14
Minimum Detection	0.1	0.01	3	3	1	3	0.01	0.1	1	1	1	0.01	0.01	0.01	1	1	0.01	1	0.01	2	3	5	2	2	1	5	3	1
Maximum Detection	50.0	10.00	2000	100	1000	1000	10.00	1000.0	20000	1000	20000	10.00	10.00	10.00	20000	1000	10.00	20000	10.00	20000	100	100	2000	1000	10000	100	1000	20000

< = Less than Minimum is = Insufficient Sample ns = No sample > = Greater than Maximum AuFA = Fire assay/AAS

ANOMALOUS RESULTS:
FURTHER ANALYSES
BY ALTERNATE
METHODS SUGGESTED



VANGEOCHEM LAB LIMITED

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BRANCH OFFICE
1630 PANDORA ST.
VANCOUVER, B.C. V5L 1L6
(604) 251-5656

REPORT NUMBER: 881327 GA JOB NUMBER: 881327 PAMICON DEVELOPMENT LTD.

SAMPLE #	Au ppb
17910	50
17911	20
17912	nd
17913	nd

DETECTION LIMIT 5
nd = none detected -- = not analysed is = insufficient sample

VANGEOCHEM LAB LIMITED

MAIN OFFICE: 1988 TRIUMPH STREET, VANCOUVER B.C. V5L 1K5 PH:(604)251-5656 TELEX:04-352578
BRANCH OFFICE: 1630 PANDORA STREET. VANCOUVER B.C. V5L 1L6 PH:(604)251-7282 FAX:(604)254-5717

ICAP GEOCHEMICAL ANALYSIS

A .5 GRAM SAMPLE IS DIGESTED WITH 5 ML OF 3:1:3 HCL TO HNO3 TO H2O AT 95 DEG. C FOR 90 MINUTES AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR SN,MN,FE,CA,P,CR,MG,BA,PD,AL,NA,K,W,PT AND SR. AU AND PD DETECTION IS 3 PPM.
IS= INSUFFICIENT SAMPLE, ND= NOT DETECTED, -= NOT ANALYZED

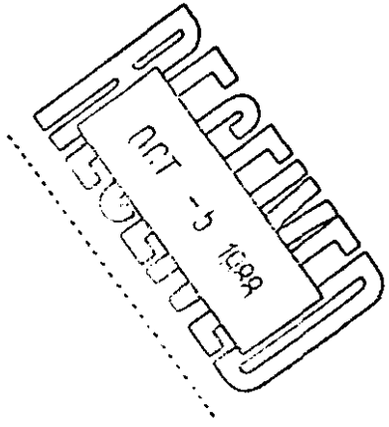
COMPANY: PAMICON
ATTENTION: S. TODORUK
PROJECT: JAZ-GAB

REPORT#: 881327PA
JOB#: 881327
INVOICE#: 881327NA

DATE RECEIVED: 88/09/12
DATE COMPLETED: 88/10/05
COPY SENT TO:

ANALYST

SAMPLE NAME	AG PPM	AL %	AS PPM	AU 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	PD PPM	PT PPM	SB PPM	SN PPM	SR PPM	U PPM	W PPM	ZN PPM
17910	.3	.38	22	ND	35	ND	1.88	.2	8	70	111	1.82	.01	.93	626	3	.01	18	.05	10	ND	ND	ND	7	37	ND	ND	10
17911	.1	.25	14	ND	36	ND	2.20	.1	5	16	138	1.81	.01	1.00	750	1	.01	5	.10	7	ND	ND	ND	8	29	ND	ND	7
17912	.1	.32	13	ND	48	ND	2.54	.1	7	35	58	1.88	.01	1.08	812	1	.01	5	.10	8	ND	ND	ND	8	46	ND	ND	7
17913	.3	.44	18	ND	43	3	2.82	.2	7	51	28	2.12	.40	1.26	900	2	.01	8	.08	11	ND	ND	ND	8	53	ND	ND	14
DETECTION LIMIT	.1	.01	3	3	1	3	.01	.1	1	1	1	.01	.01	.01	1	1	.01	1	.01	2	3	5	2	2	1	5	3	1



VANGEOCHEM LAB LIMITED

MAIN OFFICE AND LABORATORY
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BRANCH OFFICE
1630 PANDORA ST.
VANCOUVER, B.C. V5L 1L6
(604) 251-5656

REPORT NUMBER: 881286 GA JOB NUMBER: 881286 PAMICON DEVELOPMENT LTD.

SAMPLE #	Au ppb
17851	nd
17852	nd
17853	nd
17854	nd
17855	nd
17856	nd
17857	nd
17858	nd
17859	nd
17860	nd
17861	nd
17862	nd
17863	nd
17864	nd
17865	nd
17866	nd
17867	nd
17868	nd
17869	nd
17870	nd
17871	nd
17872	nd
17873	nd
17874	nd
17876	nd
17877	nd
17878	nd
17879	nd
17880	nd

DETECTION LIMIT 5
nd = none detected -- = not analysed is = insufficient sample

VANGEOCHEM LAB LIMITED

MAIN OFFICE: 1988 TRIUMPH STREET, VANCOUVER B.C. V5L 1K5 PH:(604)251-5656 TELEX:04-352578
BRANCH OFFICE: 1630 PANDORA STREET. VANCOUVER B.C. V5L 1L6 PH:(604)251-7282 FAX:(604)254-5717

ICAP GEOCHEMICAL ANALYSIS

A .5 GRAM SAMPLE IS DIGESTED WITH 5 ML OF 3:1:3 HCL TO HNO3 TO H2O AT 95 DEG. C FOR 90 MINUTES AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR SW,MN,FE,CA,P,CR,MG,BA,PD,AL,NA,K,W,PT AND SR. AU AND PD DETECTION IS 3 PPM.
IS= INSUFFICIENT SAMPLE, ND= NOT DETECTED, -= NOT ANALYZED

COMPANY: PAMICON
ATTENTION: S. TODORUK
PROJECT: JAZ-GAB

REPORT#: 881286PA
JOB#: 881286
INVOICE#: 881286NA

DATE RECEIVED: 88/09/08
DATE COMPLETED: 88/09/30
COPY SENT TO:

ANALYST

SAMPLE NAME	AG PPM	AL %	AS PPM	AU 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	PD PPM	PT PPM	SB PPM	SN PPM	SR PPM	U PPM	W PPM	ZN PPM
17851	.1	1.35	10	ND	200	ND	5.58	.6	15	10	37	3.65	.38	1.20	1372	2	.02	7	.10	25	ND	ND	ND	2	99	ND	ND	28
17852	.1	.45	22	ND	124	ND	8.82	.6	18	16	43	4.01	.36	1.39	2354	3	.01	8	.07	20	ND	ND	ND	2	123	ND	ND	45
17853	.1	1.53	7	ND	488	3	4.00	1.1	20	21	12	3.97	.35	2.74	1165	2	.01	11	.11	25	ND	ND	ND	3	103	ND	ND	77
17854	.2	.96	7	ND	93	ND	4.04	.6	13	25	14	4.08	.32	2.27	1324	2	.01	7	.10	19	ND	ND	ND	3	73	ND	ND	44
17855	.1	.55	8	ND	68	4	6.27	1.1	11	13	11	4.44	.38	3.27	2081	2	.01	7	.07	16	ND	ND	ND	3	97	ND	ND	32
17856	.1	1.64	15	ND	169	ND	9.58	.6	18	16	29	3.50	.38	1.82	1210	27	.01	9	.08	30	ND	ND	ND	2	141	ND	ND	47
17857	.3	2.72	27	ND	27	ND	2.72	1.1	17	17	58	4.00	.30	2.31	761	4	.01	10	.08	40	ND	ND	ND	3	74	ND	ND	67
17858	.3	2.62	23	ND	22	3	2.88	.6	14	10	58	3.90	.30	2.33	812	3	.01	9	.08	38	ND	ND	ND	4	70	ND	ND	68
17859	.1	2.37	19	ND	17	ND	7.96	.8	17	17	211	3.77	.38	2.22	2181	3	.02	8	.08	39	ND	ND	ND	3	167	ND	ND	63
17860	.3	2.87	34	ND	20	3	2.52	1.1	23	21	82	4.26	.29	2.58	834	3	.01	12	.11	43	ND	ND	ND	3	85	ND	ND	69
17861	.5	1.72	45	ND	17	4	6.75	1.2	27	14	630	4.55	.35	3.25	1801	3	.01	14	.07	31	ND	ND	ND	3	146	ND	ND	57
17862	.8	.55	126	ND	13	ND	5.76	.6	83	6	584	2.84	.36	2.86	1264	2	.01	31	.08	17	ND	ND	ND	2	74	ND	ND	18
17863	.1	.40	17	ND	16	4	9.14	1.1	14	11	179	4.66	.38	4.29	3054	2	.01	5	.05	16	ND	ND	ND	2	84	ND	ND	20
17864	.3	.40	26	ND	130	ND	4.57	.6	18	13	66	2.49	.35	1.79	1059	2	.01	7	.08	14	ND	ND	ND	2	85	ND	ND	12
17865	.1	.17	ND	ND	8	ND	37.32	.1	1	4	17	.40	.01	.40	1124	1	.01	5	.01	23	ND	ND	ND	ND	143	ND	ND	21
17866	.1	.22	ND	ND	17	ND	37.32	.1	1	4	13	.60	.01	.54	1332	1	.01	4	.01	23	ND	ND	ND	ND	194	ND	ND	22
17867	.1	.58	ND	ND	16	ND	37.34	.1	3	4	10	1.26	.01	1.01	1494	1	.01	4	.02	24	ND	ND	ND	ND	185	ND	ND	35
17868	.1	2.93	11	ND	46	4	4.35	1.1	22	22	8	4.47	.34	2.97	1001	2	.02	12	.12	38	ND	ND	ND	3	82	ND	ND	139
17869	.1	.07	ND	ND	8	ND	37.37	.1	ND	1	18	.36	.01	.41	1328	1	.01	1	.01	20	ND	ND	ND	ND	190	ND	ND	17
17870	.1	.44	7	ND	50	ND	4.95	.5	12	11	7	2.97	.39	2.24	1235	1	.01	6	.08	12	ND	ND	ND	2	94	ND	ND	21
17871	.1	.22	ND	ND	36	ND	37.45	.1	4	9	12	2.41	.01	1.72	2071	2	.01	19	.06	16	ND	ND	ND	ND	173	ND	ND	22
17872	.1	.11	ND	ND	32	ND	37.46	.1	1	11	12	1.02	.01	.75	1548	1	.01	9	.01	19	ND	ND	ND	ND	346	ND	ND	15
17873	.2	.41	9	ND	26	ND	3.45	.2	11	69	43	2.24	.32	1.31	841	1	.01	45	.10	15	ND	ND	ND	2	104	ND	ND	19
17874	.1	.52	8	ND	17	4	5.89	1.1	13	34	17	3.92	.38	3.00	1199	1	.01	26	.07	20	ND	ND	ND	2	78	ND	ND	42
17876	.8	1.73	32	ND	341	ND	5.85	7.6	22	28	1474	3.15	.38	1.21	974	4	.03	18	.08	36	ND	ND	ND	2	80	ND	ND	865
17877	.2	1.53	23	ND	24	ND	7.36	.6	23	41	78	3.80	.40	1.22	1001	6	.01	22	.08	31	ND	ND	ND	2	57	ND	ND	72
17878	.3	1.54	25	ND	138	ND	4.00	.6	18	15	93	3.37	.34	.98	1197	2	.01	10	.08	28	ND	ND	ND	2	86	ND	ND	52
17879	.1	.64	95	ND	180	ND	6.91	.5	18	10	43	4.15	.36	.43	2415	2	.01	7	.08	18	ND	ND	ND	2	122	ND	ND	23
17880	.4	1.43	66	ND	30	ND	4.05	.2	21	18	62	3.12	.35	1.16	871	3	.01	11	.10	29	ND	ND	ND	2	83	ND	ND	36
DETECTION LIMIT	.1	.01	3	3	1	3	.01	.1	1	1	1	.01	.01	.01	1	1	.01	1	.01	2	3	5	2	2	1	5	3	1

VANGEOCHEM LAB LIMITED

MAIN OFFICE AND LABORATORY
1988 Triumph Street
Vancouver, B.C. V5L 1K5
(604)251-5656 FAX:254-5717

BRANCH OFFICE
1630 PANDORA ST.
VANCOUVER, B.C. V5L 1L6
(604) 251-5656

REPORT NUMBER: 881173 GA JOB NUMBER: 881173 PANICON DEVELOPMENT LTD.

SAMPLE #	Au
	ppb
22520	nd
22521	4590
22522	15
22551	nd
22552	5
22553	5
22554	nd
22555	60

DETECTION LIMIT 5

nd = none detected -- = not analysed is = insufficient sample

VANGEOCHEM LAB LIMITED

MAIN OFFICE: 1521 PEMBERTON AVE. N.VANCOUVER B.C. V7P 2S3 PH:(604)986-5211 TELEX:04-352578
BRANCH OFFICE: 1630 PANDORA ST. VANCOUVER B.C. V5L 1L6 PH:(604)251-5656

ICAP GEOCHEMICAL ANALYSIS

A .5 GRAM SAMPLE IS DIGESTED WITH 5 ML OF 3:1:2 HCL TO HNO3 TO H2O AT 95 DEG. C FOR 90 MINUTES AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR SN,MN,FE,CA,P,CR,MG,BA,PD,AL,NA,K,W,PT AND SR. AU AND PD DETECTION IS 3 PPM.
IS= INSUFFICIENT SAMPLE, ND= NOT DETECTED, -= NOT ANALYZED

COMPANY: PAMICON
ATTENTION: S. TODORUK
PROJECT: JASS-GAB

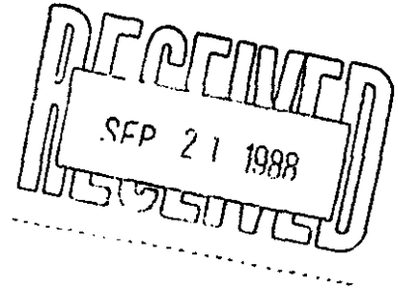
REPORT#: 881173PA
JOB#: 881173
INVOICE#: 881173NA

DATE RECEIVED: 88/08/30
DATE COMPLETED: 88/09/17
COPY SENT TO:

ANALYST

SAMPLE NAME	AG PPM	AL %	AS PPM	AU 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	PD PPM	PT PPM	SB PPM	SN PPM	SR PPM	U PPM	W PPM	ZN PPM
22520	.3	.44	ND	ND	20	9	.61	6.5	6	32	149	48.68	.08	.24	479	1	.05	3	.01	4	ND	ND	ND	ND	9	ND	28	7
22521	8.1	.07	1640	4	16	12	3.32	11.1	1	42	1389	26.18	.32	.57	8844	5	.03	64	.01	204	ND	ND	ND	4	12	ND	ND	136
22522	.3	.73	ND	ND	56	9	.18	6.9	7	19	81	47.94	.01	.38	626	9	.05	12	.03	9	ND	ND	ND	ND	6	ND	ND	20
22551	.1	.70	ND	ND	1292	ND	30.17	.9	8	4	45	5.94	.01	3.64	3707	4	.02	8	.01	32	ND	ND	ND	ND	308	ND	ND	30
22552	.5	.06	11	ND	134	ND	.71	.1	2	201	10	.69	.14	.10	235	8	.01	5	.10	9	ND	ND	ND	1	10	ND	ND	10
22553	.1	.24	3	ND	72	ND	14.98	1.6	20	29	11	7.55	.31	4.39	3061	3	.01	12	.03	22	ND	ND	ND	2	137	ND	ND	13
22554	.3	.44	ND	ND	1960	ND	4.54	.8	9	67	6	3.55	.38	2.10	1495	4	.01	15	.04	14	ND	ND	ND	2	183	ND	ND	32
22555	.1	.16	ND	ND	580	ND	14.18	1.4	9	13	16	6.07	.33	1.02	1961	3	.01	8	.02	23	ND	ND	ND	2	293	ND	ND	107
DETECTION LIMIT	.1	.01	3	3	1	3	.01	.1	1	1	1	.01	.01	.01	1	1	.01	1	.01	2	3	5	2	2	1	5	3	1

ANOMALOUS RESULTS:
FURTHER ANALYSES
BY ALTERNATE
METHODS SUGGESTED



VANGEOCHEM LAB LIMITED

MAIN OFFICE
1521 PEMBERTON AVE.
NORTH VANCOUVER, B.C. V7P 2S3
(604) 986-5211 TELEX: 04-352578

BRANCH OFFICE
1630 PANDORA ST.
VANCOUVER, B.C. V5L 1L6
(604) 251-5656

REPORT NUMBER: 881138 GA JOB NUMBER: 881138 PAMICON DEVELOPMENT LTD.

SAMPLE #	Au ppb
20M #1	20
JHM #2	15
JHM #3	15
JHM #4	10
TA 88 62	5
TA 88 63	20

DETECTION LIMIT 5
nd = none detected -- = not analysed is = insufficient sample

VANGEOCHEM LAB LIMITED

MAIN OFFICE: 1988 TRIUMPH STREET, VANCOUVER B.C. V5L 1K5 PH:(604)251-5656 TELEX:04-352578
BRANCH OFFICE: 1630 PANDORA STREET. VANCOUVER B.C. V5L 1L6 PH:(604)251-7282 FAX:(604)254-5717

ICAP GEOCHEMICAL ANALYSIS

A .5 GRAM SAMPLE IS DIGESTED WITH 5 ML OF 3:1:3 HCL TO HNO3 TO H2O AT 95 DEG. C FOR 90 MINUTES AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR SN,MN,FE,CA,P,CR,MG,BA,PD,AL,NA,K,W,PT AND SR. AU AND PD DETECTION IS 3 PPM.
IS= INSUFFICIENT SAMPLE, ND= NOT DETECTED, -= NOT ANALYZED

COMPANY: PAMICON DEVELOPMENTS
ATTENTION:
PROJECT: Hazzman

REPORT#: 881138 PA
JOB#: 881138
INVOICE#: 881138 NA

DATE RECEIVED: 88/08/27
DATE COMPLETED: 88/09/11
COPY SENT TO:

ANALYST

SAMPLE NAME	AG PPM	AL %	AS PPM	AU 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	PD PPM	PT PPM	SB PPM	SN PPM	SR PPM	U PPM	W PPM	ZN PPM
JHM 01	.1	1.49	39	ND	219	4	.69	1.1	15	21	91	4.03	.13	1.39	894	2	.02	23	.10	33	ND	ND	ND	3	20	ND	ND	95
JHM 02	.9	1.46	33	ND	174	4	.42	2.1	14	13	70	4.54	.09	1.18	610	2	.02	13	.12	36	ND	ND	ND	4	22	ND	ND	197
JHM 03	.1	.95	29	ND	38	ND	.24	.6	12	7	30	3.93	.06	.71	328	1	.01	7	.09	36	ND	ND	ND	3	13	ND	ND	51
JHM 04	.2	.94	25	ND	214	ND	.14	.9	17	15	71	4.01	.04	.23	846	2	.02	11	.12	44	ND	ND	ND	3	11	ND	ND	126
TA 88 62	.5	1.83	15	ND	192	3	.41	.9	17	14	50	3.98	.09	1.52	796	2	.02	12	.10	38	ND	ND	ND	5	18	ND	ND	93
TA 88 63	.1	1.78	29	ND	282	ND	.14	.9	24	6	41	4.78	.05	.27	1169	3	.02	8	.17	69	ND	ND	ND	3	13	ND	ND	90
DETECTION LIMIT	.1	.01	3	3	1	3	.01	.1	1	1	1	.01	.01	.01	1	1	.01	1	.01	2	3	5	2	2	1	5	3	1

VANGEOCHEM LAB LIMITED

MAIN OFFICE AND LABORATORY
1988 Triumph Street
Vancouver, B.C. V5L 1K5
(604)251-5656 FAX:254-5717

BRANCH OFFICE
1630 PANDORA ST.
VANCOUVER, B.C. V5L 1L6
(604) 251-5656

REPORT NUMBER: 881124 AA JOB NUMBER: 881124 PANICON DEVELOPMENT LTD.

SAMPLE #	Au oz/st
21402	.137
21404	.111
22502	.028
22504	.044

DETECTION LIMIT .005

1 Troy oz/short ton = 34.28 ppm 1 ppm = 0.0001% ppm = parts per million < = less than

signed: _____

VANGEOCHEM LAB LIMITED

MAIN OFFICE AND LABORATORY
1988 Triumph Street
Vancouver, B.C. V5L 1K5
(604)251-5656 FAX:254-5717

BRANCH OFFICE
1630 PANDORA ST.
VANCOUVER, B.C. V5L 1L6
(604) 251-5656

REPORT NUMBER: 881124 GA JOB NUMBER: 881124 **PANICON DEVELOPMENT LTD.** PAGE 1 OF 1

SAMPLE #	Au ppb
21401	100
21402	5040
21403	90
21404	4045
21405	35
21406	nd
21407	nd
22502	1165
22503	nd
22504	2050
22505	110
22506	280
22507	50
22508	70
22509	70
22510	65
22511	nd
22512	nd
22513	5
22514	nd
22515	nd
22516	nd
22518	nd
22519	nd

DETECTION LIMIT 5

nd = none detected -- = not analysed is = insufficient sample

VANGEOCHEM LAB LIMITED

MAIN OFFICE: 1988 TRIUMPH STREET, VANCOUVER B.C. V5L 1K5 PH:(604)251-5656 TELEX:04-352578
BRANCH OFFICE: 1630 PANDORA STREET. VANCOUVER B.C. V5L 1L6 PH:(604)251-7282 FAX:(604)254-5717

ICAP GEOCHEMICAL ANALYSIS

A .5 GRAM SAMPLE IS DIGESTED WITH 3 ML OF 3:1:3 HCL TO HNO3 TO H2O AT 95 DEG. C FOR 90 MINUTES AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR SN,MN,FE,CA,P,CR,MG,BA,PB,AL,NA,K,W,PT AND SR. AU AND PD DETECTION IS 3 PPM.
IS= INSUFFICIENT SAMPLE, ND= NOT DETECTED, -= NOT ANALYZED

COMPANY: PAMICON
ATTENTION: MR. S. TODORUK
PROJECT: JAZ-BAB

REPORT#: 881124PA
JOB#: 881124
INVOICE#: 881124NA

DATE RECEIVED: 88/08/27
DATE COMPLETED: 88/09/02
COPY SENT TO:

ANALYST

SAMPLE NAME	AG PPM	AL %	AS PPM	AU 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	PD PPM	PT PPM	SB PPM	SN PPM	SR PPM	U PPM	W PPM	ZN PPM
21401	3.5	.15	792	ND	27	15	.10	7.5	39	5	239	37.28	.16	.08	343	11	.08	31	.36	116	ND	ND	ND	10	3	ND	ND	74
21402	11.5	.11	1721	4	15	18	1.10	6.8	6	52	1748	26.85	.31	.48	5421	8	.07	102	.01	226	ND	ND	85	9	4	ND	ND	201
21403	.4	.07	196	ND	16	ND	1.12	.6	9	63	4612	3.15	.19	.38	293	34	.01	40	.01	16	ND	ND	ND	2	8	ND	ND	20
21404	8.1	.07	7529	3	11	7	.39	.1	2	55	926	13.69	.14	.21	2925	6	.03	8	.02	150	ND	ND	ND	5	2	ND	ND	82
21405	.1	.01	115	ND	13	ND	2.62	.1	2	110	80	1.74	.31	.01	370	2	.01	13	.01	15	ND	ND	ND	ND	22	ND	ND	12
21406	.1	2.00	56	ND	30	ND	.72	2.2	38	50	18	6.42	.15	1.66	215	8	.02	42	.13	68	ND	ND	ND	3	17	ND	ND	78
21407	.1	2.08	50	ND	53	ND	.64	2.1	27	15	15	5.39	.15	1.75	169	7	.01	27	.21	45	ND	ND	ND	3	21	ND	ND	94
22502	15.3	.05	7561	ND	24	16	.17	4.4	72	5	643	42.76	.21	.42	1622	22	.10	27	.01	427	ND	ND	63	10	3	ND	ND	242
22503	.1	.01	136	ND	33	ND	1.06	.1	2	141	19	1.22	.16	.87	1318	1	.01	5	.01	15	ND	ND	ND	1	7	ND	ND	46
22504	3.1	.05	682	ND	36	5	14.75	2.5	11	14	137	10.66	.65	1.62	13027	7	.03	20	.01	148	ND	ND	ND	5	98	ND	ND	69
22505	10.3	.01	1000	ND	14	4	6.39	7.4	332	13	37651	19.82	.58	2.57	8594	19	.07	151	.01	100	ND	ND	ND	13	24	ND	ND	281
22506	1.1	.02	720	ND	16	6	9.42	5.5	143	5	8197	16.00	.62	3.13	13070	9	.05	53	.08	115	ND	ND	ND	10	33	ND	ND	273
22507	.1	.01	204	ND	13	3	16.39	2.2	19	9	540	8.37	.66	6.81	9282	4	.02	16	.01	34	ND	ND	ND	4	60	ND	ND	66
22508	.1	.01	433	ND	11	3	18.65	3.2	46	3	1788	9.50	.68	4.14	7330	5	.03	29	.05	41	ND	ND	ND	10	68	ND	ND	104
22509	.1	.01	230	ND	19	ND	19.27	2.9	27	5	735	8.10	.67	4.74	17124	8	.03	23	.02	38	ND	ND	ND	4	101	ND	ND	290
22510	.1	.02	399	ND	14	3	17.96	4.5	36	4	1001	8.28	.66	5.13	10069	13	.05	35	.21	41	ND	ND	ND	4	100	ND	ND	522
22511	.4	2.80	12	ND	43	ND	3.59	1.1	18	22	110	3.32	.40	1.64	737	2	.01	11	.08	24	ND	ND	ND	7	67	ND	ND	78
22512	.1	.23	ND	ND	1506	ND	13.17	.1	ND	4	325	.57	.62	.30	2038	ND	.01	2	.01	12	ND	ND	ND	ND	584	ND	ND	15
22513	.4	.01	74	ND	28	ND	1.02	1.6	24	56	83	6.82	.20	.02	2399	13	.01	78	.07	44	ND	ND	ND	4	23	ND	ND	102
22514	.1	.01	64	ND	93	ND	.87	3.2	8	68	111	9.17	.19	.02	3592	15	.05	29	.01	27	ND	ND	ND	4	13	ND	ND	873
22515	.1	.43	ND	ND	776	ND	.31	.1	6	39	18	2.92	.08	.07	482	2	.01	9	.19	11	ND	ND	ND	2	36	ND	ND	72
22516	.1	.57	8	ND	122	ND	7.72	.8	2	16	23	3.34	.54	4.16	2289	2	.01	5	.05	16	ND	ND	ND	2	54	ND	ND	33
22518	.1	.85	66	ND	21	ND	.70	1.2	18	49	46	4.61	.15	.67	338	3	.01	15	.13	36	ND	ND	ND	3	14	ND	ND	39
22519	.1	.53	35	ND	21	ND	.56	1.1	13	13	29	4.18	.13	.07	126	2	.01	4	.23	58	ND	ND	ND	2	12	ND	ND	15
DETECTION LIMIT	.1	.01	3	3	1	3	.01	.1	1	1	1	.01	.01	.01	1	1	.01	1	.01	2	3	5	2	2	1	5	3	1

VANGEOCHEM LAB LIMITED

MAIN OFFICE AND LABORATORY
1988 Triumph Street
Vancouver, B.C. V5L 1K5
(604)251-5656 FAX:254-5717

BRANCH OFFICE
1630 PANDORA ST.
VANCOUVER, B.C. V5L 1L6
(604) 251-5656

REPORT NUMBER: 881065 AA JOB NUMBER: 881065 PANICON DEVELOPMENT LTD.

SAMPLE #	Au oz/st
22517	.379

DETECTION LIMIT .005

1 Troy oz/short ton = 34.28 ppm 1 ppm = 0.0001% ppm = parts per million < = less than

signed: _____

VANGEOCHEM LAB LIMITED

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1988 Triumph Street
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BRANCH OFFICE
1630 PANDORA ST.
VANCOUVER, B.C. V5L 1L6
(604) 251-5656

REPORT NUMBER: 881065 GA JOB NUMBER: 881065 PAMICON DEVELOPMENT LTD.

SAMPLE #	Au ppb
22517	>10000

DETECTION LIMIT 5
nd = none detected -- = not analysed is = insufficient sample

VANGEOCHEM LAB LIMITED

MAIN OFFICE AND LABORATORY
1988 Triumph Street
Vancouver, B.C. V5L 1K5
(604)251-5656 FAX:254-5717

BRANCH OFFICE
1630 PANDORA ST.
VANCOUVER, B.C. V5L 1L6
(604) 251-5656

REPORT NUMBER: 881031 GA JOB NUMBER: 881031 PAMICON DEVELOPMENT LTD. PAGE 1 OF 1

SAMPLE #		Au ppb
L0+00	0+00E	20
L0+00	0+25E	25
L0+00	1+75E	15
L0+00	2+00E	10
L0+00	2+25E	20
L0+00	2+50E	15
L0+00	2+75E	25
L0+00	3+00E	20
L0+00	3+25E	10
L0+00	3+75E	30
L0+00	4+00E	30
L0+00	4+25E	30
L0+00	4+50E	20
L0+00	4+75E	15
L0+00	5+00E	20
L0+00	5+25E	25
L0+00	5+75E	25
L0+00	6+00E	30
L0+00	6+25E	20
L0+00	6+50E	20
L0+50N	2+50E	10
L0+50N	3+25E	5
L0+50N	3+50E	20
L0+50N	3+75E	20
L0+50N	4+25E	25
L0+50N	4+50E	20
L0+50N	5+00E	30
L0+50N	5+75E	25
L0+50N	6+00E	20
L0+50N	6+25E	10
L0+50N	6+50E	20
L1+00N	2+50E	5
L1+00N	2+75E	20

DETECTION LIMIT 5

nd = none detected -- = not analysed is = insufficient sample

VANGEOCHEM LAB LIMITED

MAIN OFFICE: 1988 TRIUMPH STREET, VANCOUVER B.C. V5L 1K5 PH:(604)251-5656 TELEX:04-352578
BRANCH OFFICE: 1630 PANDORA STREET. VANCOUVER B.C. V5L 1L6 PH:(604)251-7282 FAX:(604)254-5717

ICAP GEOCHEMICAL ANALYSIS

A .5 GRAM SAMPLE IS DIGESTED WITH 5 ML OF 3:1:3 HCL TO HNO3 TO H2O AT 95 deg. C FOR 90 MINUTES AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR SN,MN,FE,CA,P,CR,MG,BA,PD,AL,NA,K,W,PT AND SR. AU AND PD DETECTION IS 3 PPM.
IS= INSUFFICIENT SAMPLE, ND= NOT DETECTED, -= NOT ANALYZED

COMPANY: PAMICON
ATTENTION: MR. S. TODORUK
PROJECT: JAZ-SAB

REPORT#: 881031PA
JOB#: 881031
INVOICE#: 881031NA

DATE RECEIVED: 88/08/17
DATE COMPLETED: 88/08/23
COPY SENT TO:

ANALYST

SAMPLE NAME	AG PPM	AL %	AS PPM	AU 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	PD PPM	PT PPM	SB PPM	SN PPM	SR PPM	U PPM	W PPM	ZN PPM
L0+00 0+00E	.1	3.19	17	ND	81	3	.27	1.6	26	18	102	4.35	.08	1.72	1618	2	.03	18	.12	50	ND	ND	ND	6	52	ND	ND	192
L0+00 0+25E	.1	2.66	9	ND	82	ND	.18	1.3	22	16	80	4.08	.07	1.01	2388	1	.03	12	.19	39	ND	ND	ND	4	26	ND	ND	168
L0+00 1+75E	.1	2.69	16	ND	88	3	.06	1.6	21	14	78	4.31	.05	1.34	1249	1	.03	13	.06	38	ND	ND	ND	3	8	ND	ND	145
L0+00 2+00E	.1	1.82	9	ND	29	ND	.02	.1	5	8	16	1.83	.03	.13	143	2	.01	2	.03	44	ND	ND	ND	8	4	ND	ND	99
L0+00 2+25E	.1	2.69	17	ND	72	ND	.04	1.2	17	12	63	3.92	.04	.84	1300	2	.02	9	.13	39	ND	ND	ND	2	5	ND	ND	130
L0+00 2+50E	.6	2.87	5	ND	20	ND	.03	.1	9	7	24	2.25	.04	.07	695	2	.01	2	.05	55	ND	ND	ND	10	2	ND	ND	97
L0+00 2+75E	.1	2.79	21	ND	44	ND	.05	1.3	17	13	57	3.86	.04	.98	1253	3	.03	13	.03	41	ND	ND	ND	3	8	ND	ND	216
L0+00 3+00E	.1	2.36	13	ND	32	ND	.01	1.1	7	11	31	3.46	.04	.24	616	3	.02	4	.08	42	ND	ND	ND	5	4	ND	ND	106
L0+00 3+25E	.1	3.12	83	ND	53	9	.03	2.9	42	10	133	9.60	.09	.53	5403	12	.04	11	.16	68	ND	ND	ND	5	4	ND	ND	112
L0+00 3+75E	.1	2.64	13	ND	30	ND	.04	1.1	9	12	45	4.01	.05	.45	495	4	.02	7	.07	56	ND	ND	ND	7	4	ND	ND	104
L0+00 4+00E	.1	1.71	9	ND	22	ND	.01	.5	5	8	21	2.72	.04	.15	108	3	.01	3	.06	45	ND	ND	ND	7	3	ND	ND	76
L0+00 4+25E	.1	3.58	15	ND	54	ND	.09	1.6	15	12	63	5.14	.07	.58	1601	4	.03	8	.09	68	ND	ND	ND	7	9	ND	ND	126
L0+00 4+50E	.1	5.34	8	ND	256	9	.03	3.2	22	6	143	10.60	.10	1.15	27335	3	.05	7	.09	73	ND	ND	ND	3	2	ND	ND	109
L0+00 4+75E	.1	1.69	11	ND	46	ND	.04	.5	6	9	46	2.24	.05	.28	1047	2	.01	4	.08	35	ND	ND	ND	3	6	ND	ND	70
L0+00 5+00E	.1	3.31	14	ND	47	5	.02	2.1	20	8	101	7.83	.07	.22	5124	4	.04	4	.19	54	ND	ND	ND	4	3	ND	ND	93
L0+00 5+25E	.1	2.46	18	ND	49	ND	.08	1.1	11	16	56	3.13	.06	.84	294	2	.02	13	.07	45	ND	ND	ND	4	9	ND	ND	101
L0+00 5+75E	.1	2.56	15	ND	47	ND	.04	1.3	11	10	56	5.60	.06	.45	2462	4	.03	7	.26	46	ND	ND	ND	4	4	ND	ND	105
L0+00 6+00E	1.8	4.17	15	ND	24	ND	.02	.9	6	2	17	3.66	.06	.09	562	5	.02	3	.03	73	ND	ND	ND	6	1	ND	ND	119
L0+00 6+25E	1.3	4.49	ND	ND	81	ND	.02	.6	4	1	22	3.16	.05	.05	667	3	.02	1	.03	67	ND	ND	ND	4	1	ND	ND	126
L0+00 6+50E	.1	1.59	11	ND	92	ND	.10	.9	5	6	17	3.62	.05	.24	501	3	.02	3	.07	34	ND	ND	ND	5	6	ND	ND	66
L0+50N 2+50E	.1	3.79	ND	ND	110	ND	.04	1.1	5	3	21	3.72	.06	.12	851	4	.02	8	.05	65	ND	ND	ND	6	2	ND	ND	170
L0+50N 3+25E	1.5	3.42	5	ND	42	ND	.03	1.3	4	3	16	3.71	.06	.12	919	4	.03	3	.03	61	ND	ND	ND	7	6	ND	ND	236
L0+50N 3+50E	.1	4.31	ND	ND	35	ND	.02	.6	3	3	16	3.36	.05	.05	292	3	.02	2	.05	66	ND	ND	ND	5	1	ND	ND	94
L0+50N 3+75E	.1	3.19	8	ND	326	ND	.09	1.5	15	12	85	4.85	.07	.79	3057	3	.03	11	.09	55	ND	ND	ND	5	10	ND	ND	150
L0+50N 4+25E	.1	3.22	16	ND	43	ND	.04	1.2	10	15	52	4.20	.06	.54	637	4	.03	11	.15	61	ND	ND	ND	7	5	ND	ND	141
L0+50N 4+50E	.1	5.60	ND	ND	37	ND	.03	1.7	19	15	55	5.62	.06	.17	6716	3	.03	5	.20	70	ND	ND	ND	4	6	ND	ND	105
L0+50N 5+00E	.1	4.22	53	ND	35	5	.04	2.2	22	17	70	5.29	.06	1.74	4692	2	.03	14	.22	72	ND	ND	ND	3	4	ND	ND	115
L0+50N 5+75E	.6	2.39	7	ND	12	ND	.01	1.3	5	10	21	5.11	.06	.05	118	5	.02	2	.04	69	ND	ND	ND	11	2	ND	ND	70
L0+50N 6+00E	.1	2.10	16	ND	111	5	.07	2.2	20	6	91	7.83	.08	.21	4064	4	.04	7	.22	44	ND	ND	ND	5	3	ND	ND	79
L0+50N 6+25E	1.1	3.47	5	ND	19	ND	.02	1.3	4	7	32	4.51	.06	.07	162	4	.02	4	.04	75	ND	ND	ND	7	1	ND	ND	80
L0+50N 6+50E	.1	2.79	27	ND	49	ND	.02	1.6	17	12	67	4.70	.06	.66	2713	5	.03	9	.17	53	ND	ND	ND	5	3	ND	ND	101
L1+00N 2+50E	.6	1.75	5	ND	54	ND	.07	.5	7	11	26	1.76	.06	.14	245	3	.01	4	.07	48	ND	ND	ND	8	7	ND	ND	71
L1+00N 2+75E	.1	2.52	13	ND	40	ND	.06	1.3	11	13	42	3.95	.06	.63	618	4	.02	9	.11	56	ND	ND	ND	6	6	ND	ND	88
DETECTION LIMIT	.1	.01	3	3	1	3	.01	.1	1	1	1	.01	.01	.01	1	1	.01	1	.01	2	3	5	2	2	1	5	3	1

VANGEOCHEM LAB LIMITED

MAIN OFFICE AND LABORATORY
1988 Triumph Street
Vancouver, B.C. V5L 1K5
(604)251-5656 FAX:254-5717

BRANCH OFFICE
1630 PANDORA ST.
VANCOUVER, B.C. V5L 1L6
(604) 251-5656

REPORT NUMBER: 880907 GA JOB NUMBER: 880907 PAMICON DEVELOPMENT LTD. PAGE 1 OF 1

SAMPLE #	Au ppb
22051	10

DETECTION LIMIT 5
nd = none detected -- = not analysed is = insufficient sample

VANGEOCHEM LAB LIMITED

MAIN OFFICE: 1988 TRIUMPH STREET, VANCOUVER B.C. V5L 1K5 PH:(604)251-5656 TELEX:04-352578
BRANCH OFFICE: 1630 PANDORA STREET. VANCOUVER B.C. V5L 1L6 PH:(604)251-7282 FAX:(604)254-5717

ICAP GEOCHEMICAL ANALYSIS

A .5 GRAM SAMPLE IS DIGESTED WITH 5 ML OF 3:1:3 HCL TO HNO3 TO H2O AT 95 DEG. C FOR 90 MINUTES AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR SN,MN,FE,CA,P,CR,MG,BA,PD,AL,NA,K,W,PT AND SR. AU AND PB DETECTION IS 3 PPM.
IS= INSUFFICIENT SAMPLE, ND= NOT DETECTED, -= NOT ANALYZED

COMPANY: PAMICON DEVELOPMENT
ATTENTION: STEVE TODORUK
PROJECT: JAZZ GAB

REPORT#: 880907 PA
JOB#: 880907
INVOICE#: 880907 NA

DATE RECEIVED: 88/08/08
DATE COMPLETED: 88/08/14
COPY SENT TO:

ANALYST

SAMPLE NAME	AG PPM	AL %	AS PPM	AU 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	PD PPM	PT PPM	SB PPM	SN PPM	SR PPM	U PPM	W PPM	ZN PPM
22051	.1	.44	19	ND	26	5	.93	2.8	2	46	42	15.07	.22	.03	2202	7	.04	6	.01	7	ND	ND	ND	6	3	ND	ND	60
DETECTION LIMIT	.1	.01	3	3	1	3	.01	.1	1	1	1	.01	.01	.01	1	1	.01	1	.01	2	3	5	2	2	1	5	3	1

VANGEOCHEM LAB LIMITED

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BRANCH OFFICE
1630 PANDORA ST.
VANCOUVER, B.C. V5L 1L6
(604) 251-5656

REPORT NUMBER: 880774 GA JOB NUMBER: 880774 PAMICON DEVELOPMENT LTD. PAGE 1 OF 1

SAMPLE #	Au ppb
21369	20

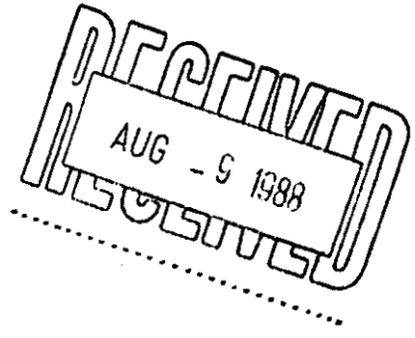
DETECTION LIMIT 5
nd = none detected -- = not analysed is = insufficient sample

REPORT #: 880774 PA | PANICON DEVELOPMENT | Proj: JASMINE | Date In: 88/07/25 | Date Out:88/08/05 | Att: B KEISHAN | VGC ICP REPORT |

Sample Number	Ag	Al	As	Au	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Mo	Na	Ni	P	Pb	Pd	Pt	Sb	Sn	Sr	U	W	Zn
	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
21369	0.1	0.02	113	<3	25	<3	>10.00	420.6	41	45	3973	3.08	0.56	0.68	2076	14	0.78	50	0.01	2	<3	<5	<2	<2	70	<5	98	>20000
Minimum Detection	0.1	0.01	3	3	1	3	0.01	0.1	1	1	1	0.01	0.01	0.01	1	1	0.01	1	0.01	2	3	5	2	2	1	5	3	1
Maximum Detection	50.0	10.00	2000	100	1000	1000	10.00	1000.0	20000	1000	20000	10.00	10.00	10.00	20000	1000	10.00	20000	10.00	20000	100	100	2000	1000	10000	100	1000	20000

< = Less than Minimum is = Insufficient Sample ns = No sample > = Greater than Maximum AuFA = Fire assay/AAS

ANOMALOUS RESULTS:
FURTHER ANALYSES
BY ALTERNATE
METHODS SUGGESTED



VANGEOCHEM LAB LIMITED

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BRANCH OFFICE
1630 PANDORA ST.
VANCOUVER, B.C. V5L 1L6
(604) 251-5656

REPORT NUMBER: 880733 GA JOB NUMBER: 880733 **PANICON DEVELOPMENT LTD.** PAGE 1 OF 1

	SAMPLE #	Au ppb
	21009	nd
	21010	nd
	21011	nd
	21012	nd
	21013	nd
	21014	nd
	21351	nd
	21352	nd
	21353	nd
	21354	10
	21355	1300
	21356	15
	21359	nd
Pez-Gab	21365	nd
Pez-Gab	21368	nd

DETECTION LIMIT 5

nd = none detected -- = not analysed is = insufficient sample

MAIN OFFICE: 1988 TRIUMPH STREET VANCOUVER B.C. V5L 1K5 PH:(604)251-5656 TELEX:04-352
BRANCH OFFICE: 1630 PANDORA ST. VANCOUVER B.C. V5L 1L6 PH:(604)251-7282 FAX:(604)251-5717

ICAP GEOCHEMICAL ANALYSIS

A .5 GRAM SAMPLE IS DIGESTED WITH 5 ML OF 3:1:3 HCL TO HNO3 TO H2O AT 95 DEG. C FOR 90 MINUTES AND IS DILUTED TO 10 ML WITH WATER. THIS LEACH IS PARTIAL FOR SN,MN,FE,CA,P,CR,MG,BA,PD,AL,NA,K,W,PT AND SR. AU AND PD DETECTION IS 3 PPM.
IS= INSUFFICIENT SAMPLE, ND= NOT DETECTED, -= NOT ANALYZED

COMPANY: PAMICON
ATTENTION:
PROJECT: JAZZMAN

REPORT#: 880733 PA
JOB#: 880733
INVOICE#: 880733 NA

DATE RECEIVED: 88/07/10
DATE COMPLETED: 88/07/31
COPY SENT TO:

	SAMPLE NAME	AG PPM	AL %	AS PPM	AU 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	PD PPM	PT PPM	SB PPM	SN PPM	SR PPM	U PPM	W PPM	ZN PPM
	21009	2.7	.40	34	ND	32	ND	.14	.5	7	48	16	2.58	.02	.10	93	3	.01	4	.12	28	ND	ND	ND	ND	28	ND	ND	15
	21010	.1	.97	22	ND	59	ND	.13	.6	6	33	12	2.91	.01	.65	102	1	.01	3	.10	21	ND	ND	ND	ND	15	ND	ND	54
	21011	.1	.97	25	ND	29	ND	.15	.8	6	37	18	4.01	.02	.52	236	3	.01	2	.12	28	ND	ND	ND	ND	8	ND	ND	57
	21012	.3	.50	54	ND	14	ND	.34	.6	15	21	28	3.42	.03	.08	67	1	.01	4	.14	27	ND	ND	ND	ND	20	ND	ND	20
	21013	.1	.66	63	ND	23	ND	.30	.6	20	37	15	3.02	.03	.16	82	1	.01	4	.14	20	ND	ND	ND	ND	16	3	ND	19
	21014	.2	.64	53	ND	39	ND	.30	.3	7	46	8	2.11	.03	.04	23	3	.01	3	.11	16	ND	ND	ND	ND	28	ND	ND	3
	210351	.1	.35	ND	ND	902	ND	16.28	.5	27	3	3	6.83	.28	4.12	3568	ND	.01	9	.01	18	ND	ND	ND	ND	109	ND	ND	29
	210352	.1	.35	37	ND	226	ND	6.40	1.5	6	18	30	3.80	.22	.97	1388	1	.01	2	.08	13	ND	ND	ND	ND	104	ND	ND	121
	210353	.1	3.02	29	ND	53	ND	1.28	1.1	46	23	243	6.69	.08	2.83	687	11	.01	13	.08	23	ND	ND	ND	ND	15	ND	ND	31
	210354	.1	.13	128	ND	78	ND	2.15	.3	4	85	6	3.17	.12	.59	813	4	.01	8	.01	2	ND	ND	ND	ND	6	ND	ND	11
	21355	.1	.02	293	ND	30	ND	37.12	.1	25	3	22	7.70	.20	4.90	5136	3	.01	22	.01	114	ND	ND	ND	ND	68	ND	ND	31
JA2-GA8	21356	8.1	.02	292	ND	13	33	4.87	>1000	55	67	7383	4.76	.19	1.00	3671	91	6.80	74	.01	58	ND	ND	ND	53	18	ND	2956	81319
	21359	.1	.76	ND	ND	39	ND	7.44	54.5	8	39	713	5.34	.22	2.08	2028	3	.07	10	.01	14	ND	ND	ND	ND	54	ND	ND	4463
JE2-GA8	21365	>100	.01	8041	ND	3	ND	37.28	92.4	49	7	24200	1.73	.20	10.01	2872	1	.06	5	.01	339	ND	ND	3860	ND	47	ND	ND	4711
PE2-GA8	210368	.1	.01	44	ND	43	ND	7.83	2.7	1	37	147	2.68	.25	.16	3682	ND	.01	4	.01	10	ND	ND	ND	ND	36	18	ND	299
	DETECTION LIMIT	.1	.01	3	3	1	3	.01	.1	1	1	1	.01	.01	.01	1	1	.01	1	.01	2	3	5	2	2	1	5	3	1

ANOMALOUS RESULTS:
FURTHER ANALYSES
BY ALTERNATE
METHODS SUGGESTED

APPENDIX VI

STATEMENT OF QUALIFICATIONS

STATEMENT OF QUALIFICATIONS

I, STEVE L. TODORUK, of Suite 129, 7451 Minoru Boulevard, Richmond, 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 receive any such interest.

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

DATED at Vancouver, B.C., this 28 day of February, 1989.

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.

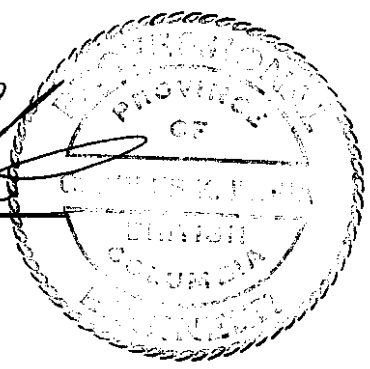
3. THAT I am a member in good standing of the Association of Professional Engineers of the Province of British Columbia.

4. THAT this report is based on work conducted under my direction in 1988 and on extensive knowledge of the immediate area.

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 Jazzman Resources Inc. 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 28th day of Feb, 1989.



Charles K. Ikona, P.Eng.

3

2

SNOW

LCP

GAB 9

21359 = nd Au, 713 ppm Cu, 4463 ppm Zn

X 22515 = nd
22516 = nd

SNOW

2/3

X 22512 = nd

X 21375

Andesite Porphyry Dyke

Fault

X 22551 = nd

X 22552 = 5 ppb Au

CONG / SST

Crinoid Limestone 1

SNOW

2/3

X 22513 = 5 ppb Au
22514 = nd

21355 = 290 ppm As, 1300 ppb Au
21356 = 15 ppb Au, 8.1 ppm Ag, 292 ppm As, 7383 ppm Cu, 2956 ppm W, Bi, 319 ppm Zn
21369 = 20 ppb Au, 113 ppm As, 3973 ppm Cu, 98 ppm W, >20,000 ppm Zn

X 22511 = nd

X 21370 = 30 ppb Au

McLymont

22504 = 0.044 oz/t Au
22505 = 110 ppb Au, 10.3 ppm Ag, 37,651 ppm Cu
22506 = 280 ppb Au, 8197 ppm Cu
22507 = 60 ppb Au

X 21374 = 300 ppb Au

X 21403 =

22508 = 70 ppb Au
22509 = 70 ppb Au
22510 = 65 ppb Au

22554 = nd

22553 = 5 ppb

2/3

CONG / SST

X 22503 = nd

2/3

X 22502 = 0.028 oz/t Au

22520 = nd
2 massive magnetic boulders

Recrystallized crinoidal 1 limestone

Newmont Lake

22555 = 60 ppb Au

JDH88-3,4

Porphyry Dyke

Strongly recrystallized limestone + $FeCO_3$ veining + pods of massive pyrite + jasper + chalcopyrite

CONG / SST

21353 = nd
21354 = 10 ppb Au

JDH88-5

21401 = 100 ppb Au
21402 = 0.137 oz/t Au
21403 = 90 ppb Au
21404 = 0.111 oz/t Au
22521 = 4590 ppb Au
21372 = 0.262 oz/t Au
21373 = 0.099 oz/t Au
22517 = 0.379 oz/t Au

2/3

X 21352 = nd

JDH88-2 (-90°)

JDH88-1 (-90°)

X 21372 (Am-301)

Pond

GULF INTERNATIONAL MINERALS
NORTHWEST ZONE

SCALE 1:10,000

m 0 100 200 300 400 500 m

LEGEND

INTRUSIVE

+ + + + + — Feldspar porphyry dyke / Andesite Porphyry dyke

PALEOZOIC

3 — Sandstone / Siltstone / Argillite

2 — Conglomerate

1 — Mississippian grey crinoidal limestone (locally marblized with jasper, chalcopyrite + pyrite)

N

18,509

JAZZMAN RESOURCES INC.

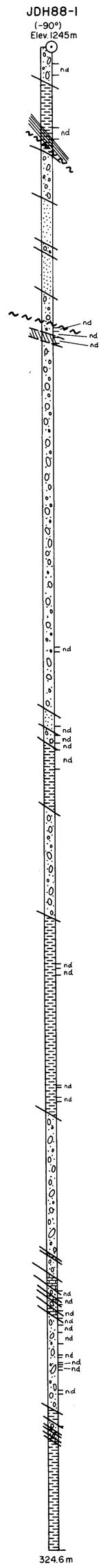
GAB 9 CLAIM
ROCK CHIP & GEOLOGY MAP

LIARD MINING DIVISION, B.C.

PAMICON DEVELOPMENTS LTD.

Drawn.	N.T.S.	Date.	FIGURE
J.W.	104 B/15 W	Feb. 1989	5

(~LOOKING N.E.)



LEGEND

- Sedimentary bedding
- Fault
- Quartz/Calcite Shear Zone
- Conglomerate
- Mudstone/Graywacke
- Sandstone
- Crinoidal Limestone

SCALE 1:500
m 0 5 10 20 30 m

JAZZMAN RESOURCES INC.

GAB 9 CLAIM
DRILL SECTION A-A'
JDH88-1

LIARD MINING DIVISION, B.C.

PAMICON DEVELOPMENTS LTD.

DRAWN.	N.T.S.	DATE.	FIGURE.
J.W.	104B/15W	FEB., 1989	7

B

(~LOOKING NE.)

B'

JDH 88-2
(-90°)
Elev. 1305m

1305 m

1300 m

1295 m

1290 m

1285 m

1280 m

1275 m

nd
nd
nd
nd
nd
nd
30 ppb Au
10 ppb Au
nd
nd
85 ppb Au
nd
60 ppb Au
nd
nd
nd
10 ppb Au
nd
nd
nd
Skarned, recrystallized limestone + patchy blebs of chalcopyrite through-out
50 ppb Au
20 ppb Au
20 ppb Au
nd
nd
nd
nd
90 ppb Au
50 ppb Au
QV+pyrite
1,410 ppb Au
QV+pyrite
970 ppb Au
QV+pyrite
220 ppb Au
QV+pyrite
1,960 ppb Au
30 ppb Au
90 ppb Au
309.4 m

LEGEND

- Feldspar Porphyry (Syenite)
- Diorite (feldspar porphyritic)
- Conglomerate
- Mudstone/Siltstone/Graywacke
- Sandstone
- Crinoidal Limestone
- Chert

SCALE 1:500
m 0 5 10 20 30 m

GEOLOGICAL BRANCH
ASSESSMENT REPORT
19,509

JAZZMAN RESOURCES INC.

GAB 9 CLAIM

DRILL SECTION B-B'

JDH88-2

LIARD MINING DIVISION, B.C.

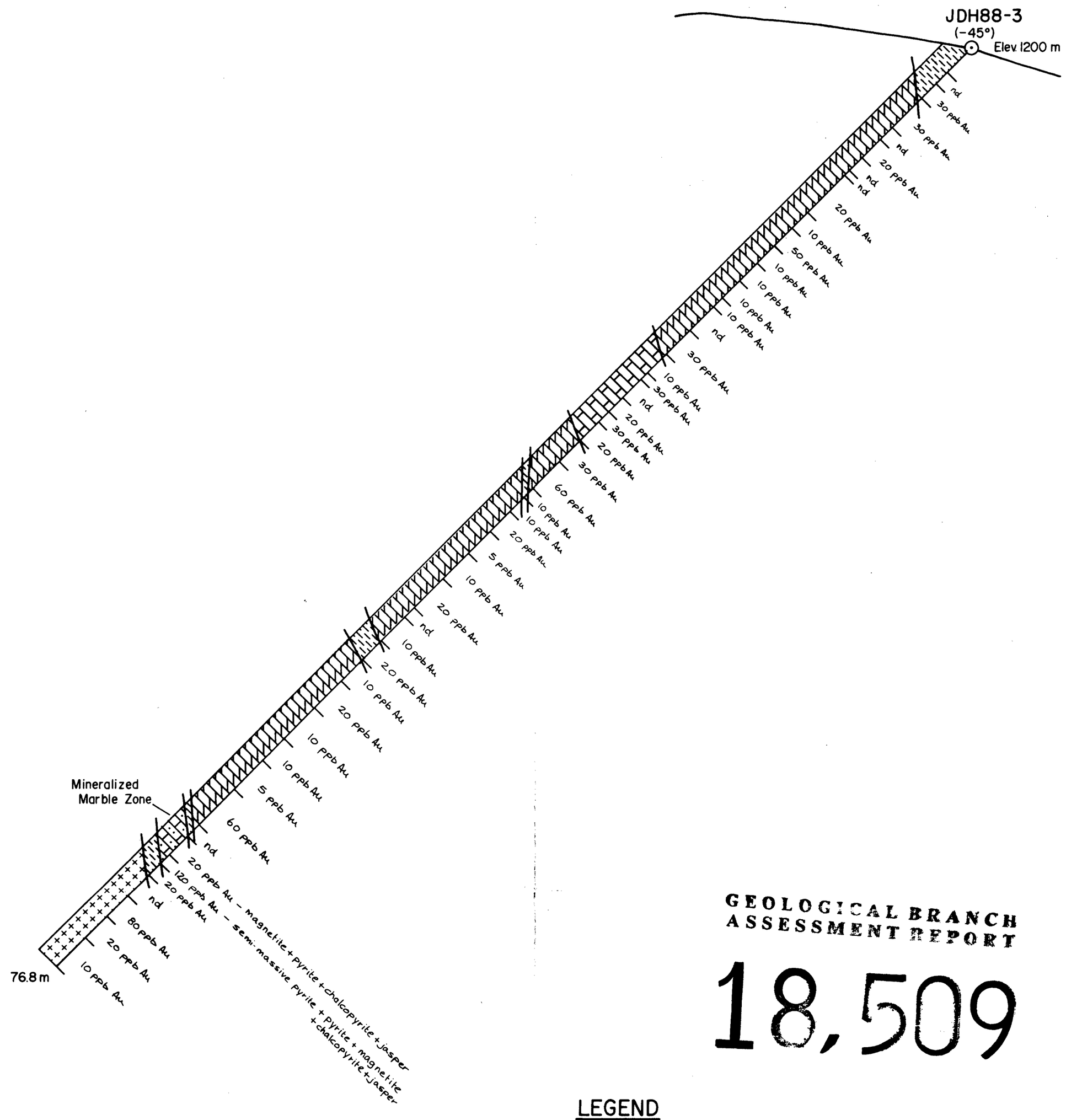
PAMICON DEVELOPMENTS LTD.

DRAWN.	N.T.S.	DATE	FIGURE.
J.W.	104B/15W.	FEB., 1989	8

C

C'

185/005°



LEGEND

- Feldspar Porphyry Intrusive – pink coloured, orthoclase phenocrysts up to 5-8 mm in size, moderately to strongly magnetic
- Marble – creamy white to brown colour, may have jasper ± pyrite ± magnetite ± hematite
- Crinoidal Limestone – re-crystallized light grey colour, fossils seldom discernable
- Crinoidal Limestone – fresh, medium grey colour, good crinoid fossils
- Siltstone

SCALE 1:200

m 0 5 10 15 m

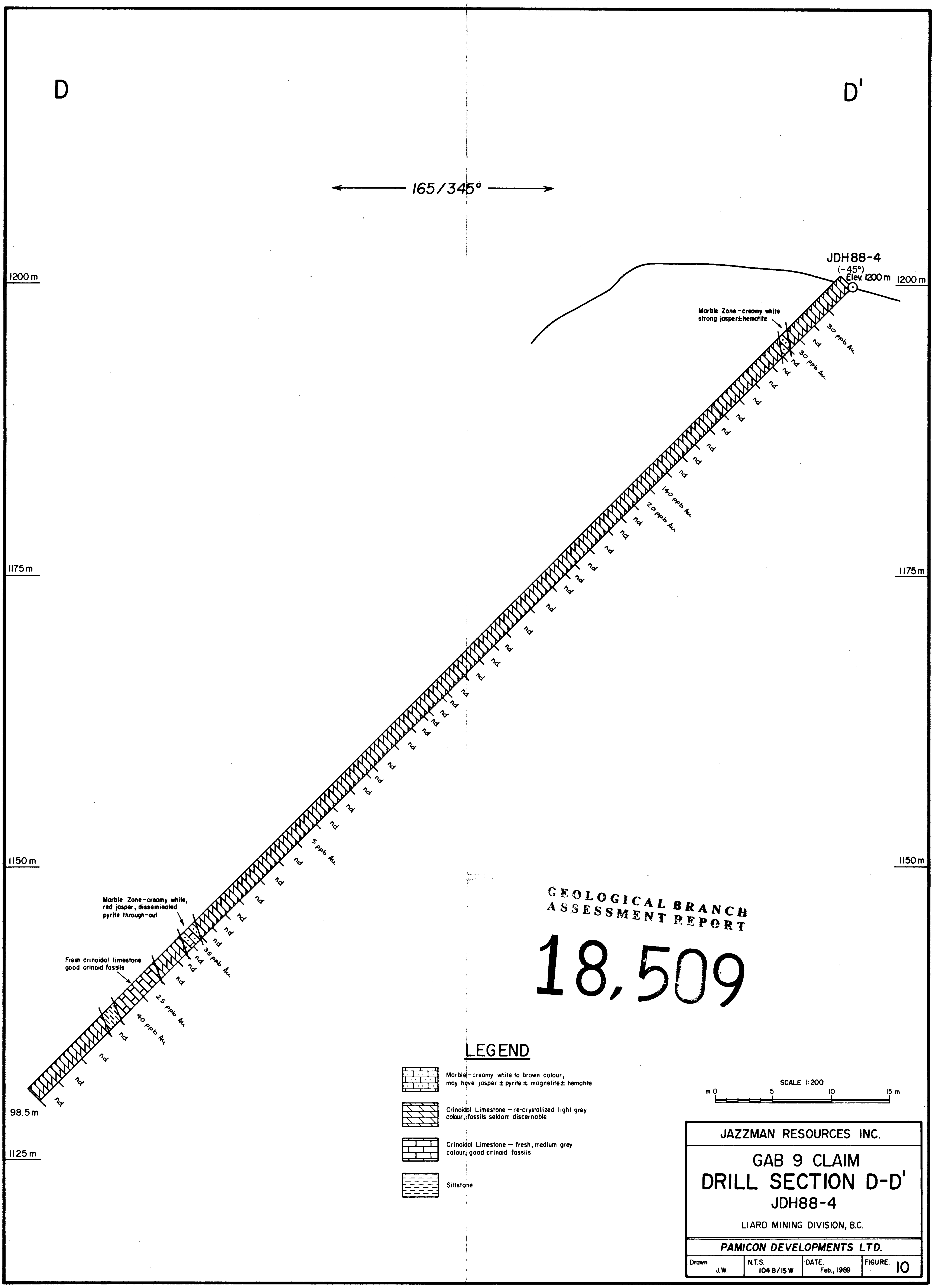
JAZZMAN RESOURCES INC.

GAB 9 CLAIM
DRILL SECTION C-C'
JDH 88-3

LIARD MINING DIVISION, B.C.

PAMICON DEVELOPMENTS LTD.

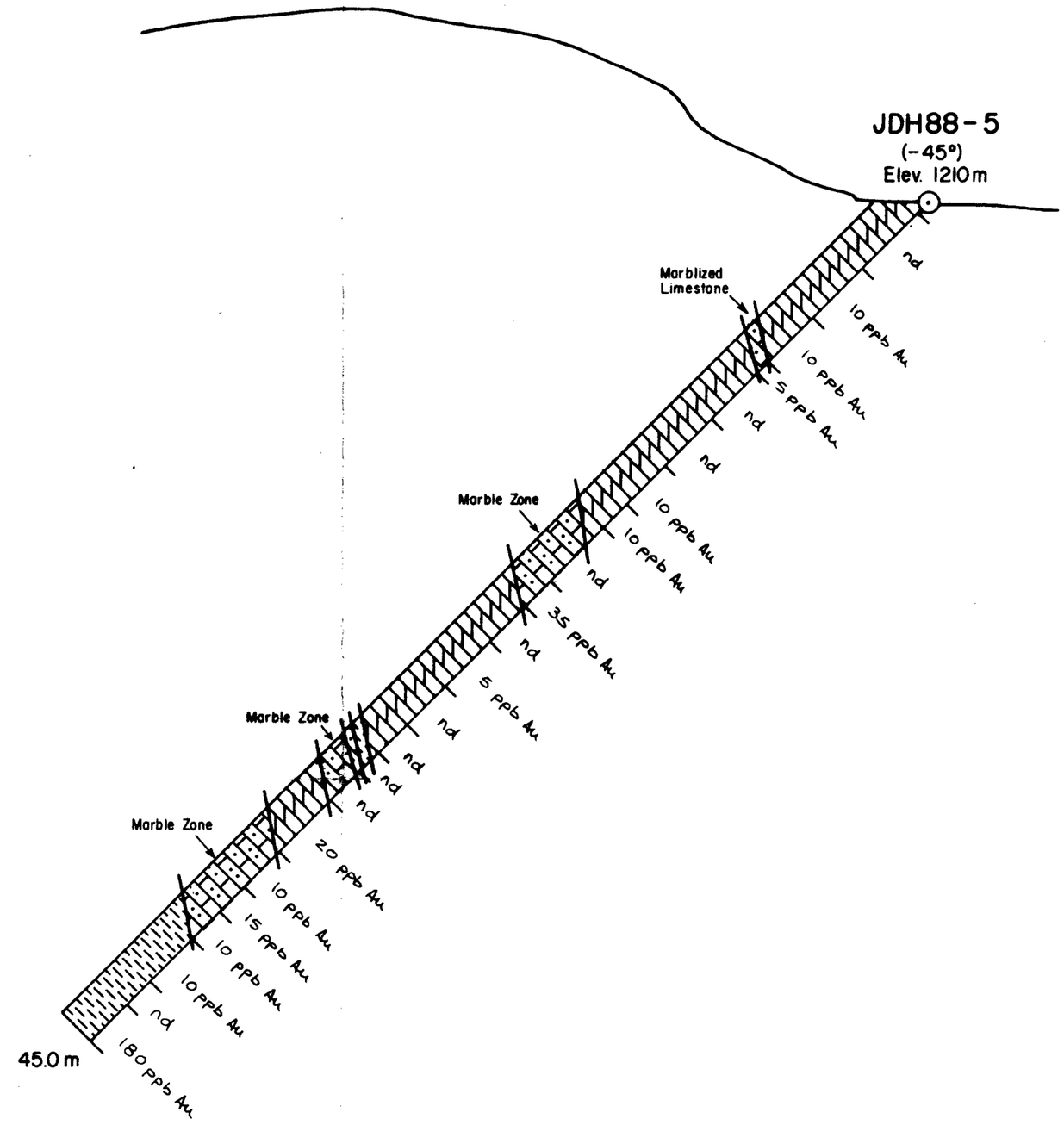
Drawn.	N.T.S.	DATE.	FIGURE.
J.W.	104 B/15 W	Feb., 1989	9



E

340/160°

E'



1200 m

1200 m

1175 m

1175 m

1150 m

1150 m

1125 m

LEGEND

- Marble – creamy white to brown colour, may have jasper ± pyrite ± magnetite ± hematite
- Crinoidal Limestone – re-crystallized light grey colour, fossils seldom discernable
- Crinoidal Limestone – fresh, medium grey colour, good crinoid fossils
- Siltstone

SCALE 1:200

m 0 5 10 15 m

JAZZMAN RESOURCES INC.

GAB 9 CLAIM
DRILL SECTION E-E'
JDH88-5

LIARD MINING DIVISION, B.C.

PAMICON DEVELOPMENTS LTD.

Drawn.	N.T.S.	DATE.	FIGURE.
J.W.	104B/15W	Feb., 1989	11