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1991 GEOLOGICAL ASSESSMENT REPORT  
ON THE  
GO-MO #8 MINERAL CLAIM

Located in the Blue Sheep Creek Area  
Northern British Columbia  
Liard Mining Division  
NTS 104I/16E  
58°47' North Latitude, 128°07' West Longitude

- Prepared for -  
OPERATOR: ISLAND-ARC RESOURCE CORPORATION  
OWNER: MR. JAKE MELNYCHUK

- Prepared by -  
M.A. STAMMERS, Geologist, FGAC  
C.K. IKONA, P.Eng.

Work Completed: July 15 to 23, 1991

Date of Report: November, 1991

GEOLOGICAL BRANCH  
ASSESSMENT REPORT

22,063

1991 GEOLOGICAL ASSESSMENT REPORT on the GO-MO #8 MINERAL CLAIM

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1991 GEOLOGICAL ASSESSMENT REPORT on the GO-MO #8 MINERAL CLAIM

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## 1.0 INTRODUCTION

This report summarizes the July 15 to 23 1991 grid establishment, geological mapping and rock sampling program carried out by Pamicon Developments Limited on the Gomo silver-copper project, Blue Sheep Creek area, northern British Columbia.

The property has been staked and restaked several times by Watson Lake prospector, Jake Melnychuk since 1968. Present interest by Pamicon Developments resulted from an October 1990 property examination made by C.K. Ikona (Ikona, June 1990). Island-Arc Resource Corporation entered into an option agreement with Melnychuk and Pamicon to acquire an interest in the property during the summer of 1991. The present mineral claim, the Go-Mo # 8 comprising 20 units was staked in October 1990.

The property falls under the jurisdiction of the Liard Mining Division and is situated 120 kilometres east-northeast of Dease Lake, British Columbia and 145 kilometres south-southeast of Watson Lake, Yukon. Access to the property is by helicopter from either Dease Lake or Watson Lake or alternately by a combination of fixed wing wheeled aircraft to the Windy Point airstrip on the Turnagain River and thence by helicopter the short distance (14 km) to the property.

Copper-silver replacement, stockwork and vein style mineralization associated with silicification and dolomitization is hosted by Atan Group carbonates along a prominent fault linear for about 600 m. Mineralization consists of tetrahedrite, azurite, malachite with trace to minor amounts of chalcopyrite and galena. The showings were first discovered by outfitters working the Four Brother Ranges. Previous exploration on the property has consisted of prospecting and some hand trenching. The Kutcho Creek massive sulphide deposit is located 65 km to the south.

Highlights of the 1991 sampling program included 3.0 m of 4.17% Cu and 7.77 oz/ton silver from Trench 1, Blue Sheep showing and 1.91% Cu and 1.57 oz/ton Ag across 3.0 m in Trench 2, White Dog showing. Prospecting yielded several

narrow, high grade silver-copper showings within a half kilometre of the main showing. Grab samples have returned values as high as 27.1% Cu at the Mac showing and 78.5 oz/ton Ag from the Blue Sheep showing.

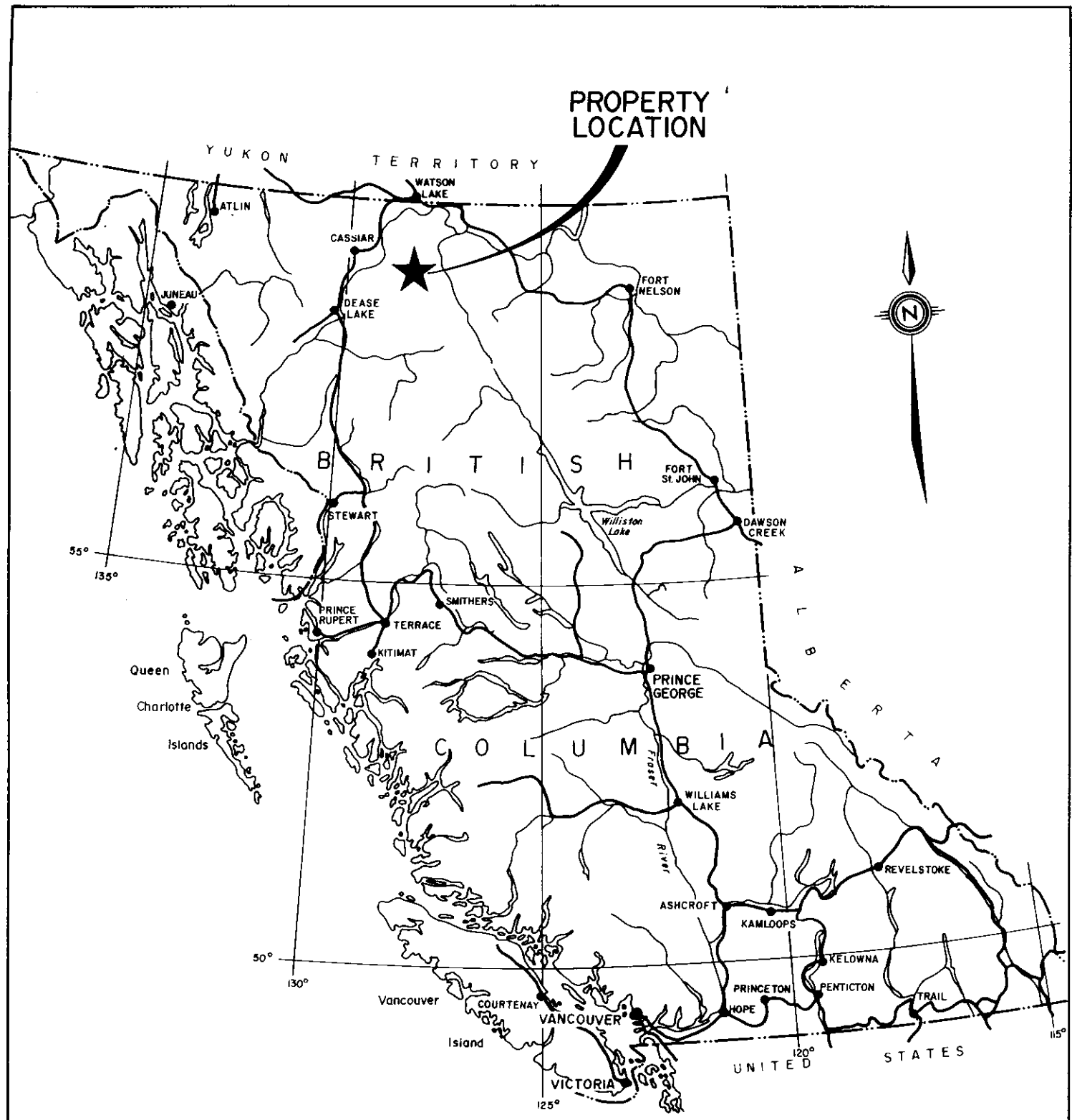
Retention of the Go-Mo #8 claim is advised and a five hole, five hundred metre diamond drill program is recommended to test the down dip continuation of mineralization at the Blue Sheep, White Dog and Mac showings.

## 2.0 LOCATION, ACCESS AND PHYSIOGRAPHY

The property is located 120 kilometres east-northeast of Dease Lake, British Columbia and 145 kilometres south-southeast of Watson Lake, Yukon (Figure 1). Coordinates are 58°47' North latitude and 128°07' West longitude on NTS map sheet 104-I/16E. Blue Sheep Creek flows immediately north of the claim, draining Blue Sheep Lake 12 kilometres to the west.

Access to the property is by helicopter from either Dease Lake or Watson Lake or alternately by a combination of fixed wing wheeled aircraft to the Windy Point airstrip on the Turnagain River and thence by helicopter the short distance (14 km) to the property. The nearest highway point is located on the Stewart-Cassiar, 90 kilometres to the northwest. A winter tote trail originating from near Dease Lake passes within 15 kilometres of the claim.

The Gomo property is located in the Four Brothers Range of the Cassiar Mountains and elevations range from 1120 to 1853 metres above sea level. Relief is moderate to steep with the majority of the claim lying above tree line (1500 m). As is typical in carbonate terrane, small drainages dry up shortly after spring runoff and water supply on the property is limited to small, locally tainted mineral springs and one creek running along the western claim boundary. Diamond drill programs and camp site selection should be planned accordingly.



**PROPERTY LOCATION**

ISLAND-ARC RESOURCE CORPORATION

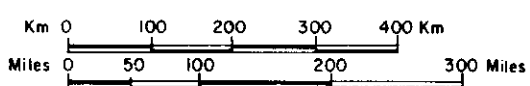
**GOMO PROJECT**

**PROPERTY LOCATION MAP**

LIARD MINING DIVISION, B.C.

**PAMICON DEVELOPMENTS LTD.**

DRAWN	N.T.S.	DATE	FIGURE
J.W.	104 I /16	Aug., 1991	1



Climate in the claim area is characterized by long cold winters and short warm summers with precipitation light to moderate year round. A generally light snowpack allows for a good exploration season from early May to early October.

### 3.0 CLAIM DATA (Figure 2)

Records of the British Columbia Ministry of Energy, Mines and Petroleum Resources indicate that the following claim, located in the Liard Mining Division is owned by Mr. Jake Melnychuk. The property is subject to an agreement whereby Island-Arc Resource Corporation may earn an interest in the claim from Pamicon Developments and Mr. Melnychuk.

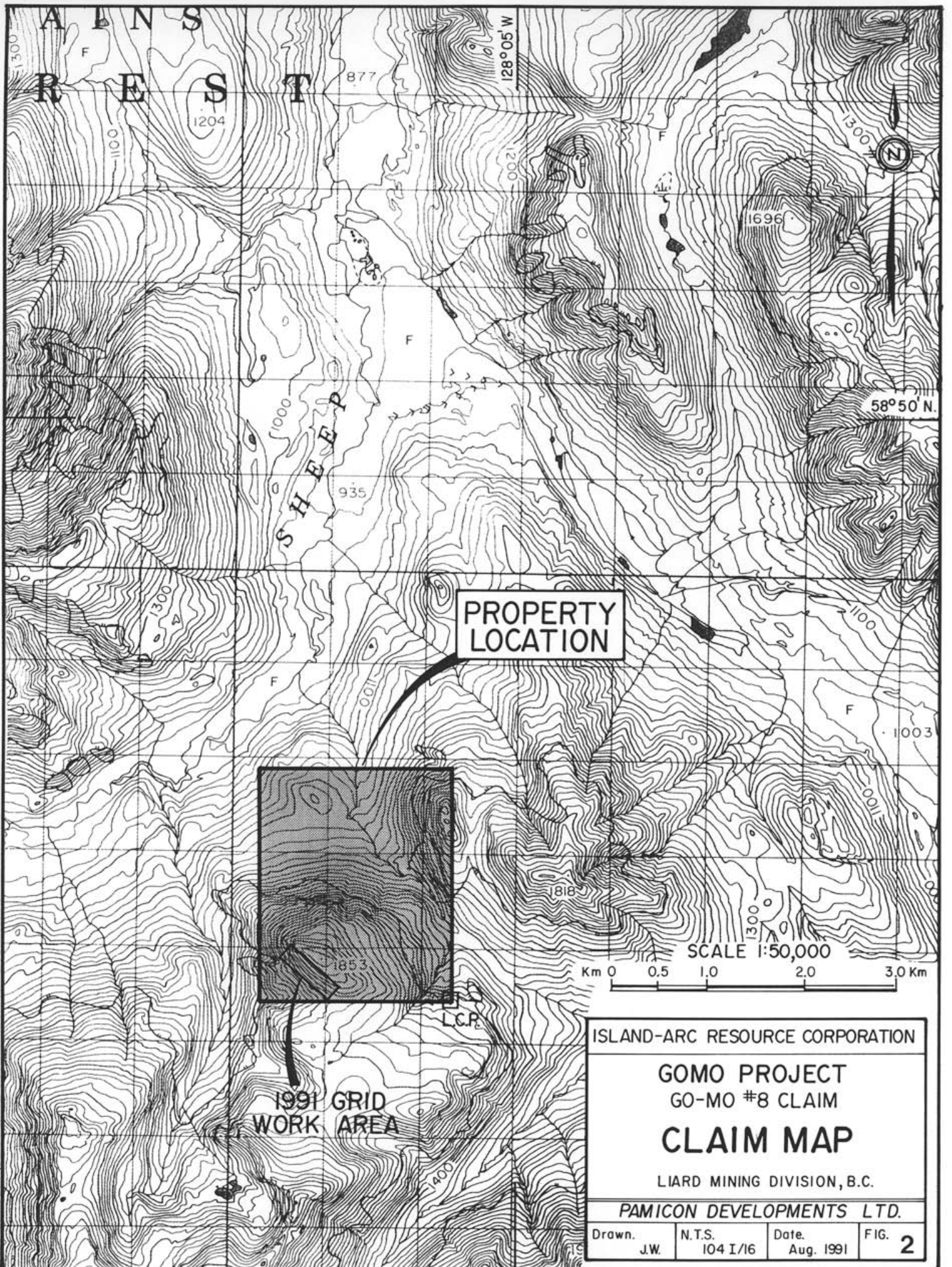
<u>Claim Name</u>	<u>Units</u>	<u>Record No.</u>	<u>Expiry Dates (Pending*)</u>
Go-Mo #8	20	7925	October 20, 1990-92*

### 4.0 HISTORY

#### 4.1 AREA HISTORY

The first mining activity in the area took place on tributaries of the Turnagain River where placer gold was discovered in the 1930's on Wheaton Creek and nearby streams. Economic gold recovery in this area has continued intermittently through to the present. Lode and placer jade has been sporadically exploited for many years in the Wolverine and Letaine Lakes area.

The Kutcho Creek polymetallic volcanic massive sulphide deposit, discovered in 1973 is located 65 kilometres south of the Gomo project and contains defined reserves totalling 17 million tonnes grading 1.6% Cu, 2.3% Zn, 0.6% Pb, 29.2 g/t Ag and 0.3 g/t Au. The property has no record of production and has been the subject of diamond drilling exploration work as recently as 1990.



A N S  
R E S T

128°05' W

1204

877

1300

1696

S H E E P

935

58°50' N

PROPERTY  
LOCATION

1991 GRID  
WORK AREA

SCALE 1:50,000

Km 0 0.5 1.0 2.0 3.0 Km

ISLAND-ARC RESOURCE CORPORATION

GOMO PROJECT  
GO-MO #8 CLAIM

**CLAIM MAP**

LIARD MINING DIVISION, B.C.

PAMICON DEVELOPMENTS LTD.

Drawn. J.W.	N.T.S. 104 I/16	Date. Aug. 1991	FIG. 2
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The Eaglehead porphyry copper deposit with approximate reserves of 30 million tonnes grading 0.41% Cu, 2.71 g/t Ag, 0.2 g/t Au and 0.0216% MoS<sub>2</sub> is situated 65 kilometres southwest of Gomo and has a similar exploration history as Kutcho Creek.

Closer to the Gomo property, several tungsten skarn showings and small carbonate hosted lead-zinc occurrences were discovered and explored briefly in the 1970's and early 1980's. The Wolf and Ewe tungsten showings are located between 10 and 15 kilometres south of the claim and the Johnny Ag-Pb-Zn occurrence is found 10 kilometres west of Gomo.

In general, the southwestern half of the Cry Lake map sheet (NTS 104-I), south of the Kutcho fault has received the bulk of the areas' exploration activity including the major Kutcho Creek and Eaglehead projects. This is due to a combination of factors including better access, historical placer gold production and favourable geology applicable to the recent three waves of exploration activity (1960s-porphyrries; 1970s-massive sulphides; and 1980s-epithermal, Toodoggone precious metals). The northeastern Cry Lake map sheet and adjoining areas of the Kechika and McDame sheets remain basically under-explored.

#### 4.2 PROPERTY HISTORY

Copper stain was first noted by hunting guides working the area for stone sheep from a base camp on the Turnagain River. Local Watson Lake prospector and entrepreneur, Jake Melnychuk capitalized on this and staked the Winco 1 to 48 claims for Winco Mining and Exploration Ltd. in 1969. The same year P.H. Sevensma completed geological mapping on four claims and an airborne magnetometer survey totalling 28 line miles was executed and reported on by G. White. The work history between 1970 and 1989 is uncertain as no assessment work was ever filed. However, several small hand trenches were seen at the two main showings.

In the Fall of 1990, a three man crew completed hand, explosive assisted trenching totalling approximately 17.0 m at the White Dog and Blue Sheep showings. This work was carried out by Pamicon Developments Limited and also included a half day of prospecting in the showing area. Trenching was hampered by deep, angular talus and prospecting and mapping was restricted by snow conditions. A total of 35 panel and grab samples were collected and assayed for copper and silver by Vangeochem Lab Limited, Vancouver. Complete sample results and the location of trenches are included on Figures 4 to 7.

#### 5.0 1991 WORK PROGRAM

The 1991 exploration program comprising grid establishment, detailed geological mapping, systematic rock chip sampling and prospecting was completed on the Go-Mo #8 mineral claim between July 15 and 23, 1991 (Figure 2). Work was carried out by a two man crew from a fly camp located within a few hundred metres of the principal mineral occurrences.

Grid establishment included emplacement of a 700 m long secant chained and picketed baseline with stations marked with metal tags every 25 metres. Flag and compass crosslines were placed every 100 metres for a total of 1000 metres.

Detailed mapping of the grid at 1:1,000 scale was completed over four man days and the White Dog and Blue Sheep showings were mapped at 1:50 and 1:100 scale respectively. Additional 1:10,000 mapping and prospecting was completed in the southwestern claims area.

Forty-nine rock samples including systematic channel and panel chips, grabs and float grabs were collected from the property and assayed for silver-copper, gold and 32 element ICP by Chemex Labs Ltd., North Vancouver, British Columbia. Complete analytical procedures and results are appended to the report.

# LEGEND

## CRETACEOUS

### MID-CRETACEOUS

**Kqm** Quartz monzonite, granite, granodiorite; **Kgd**, granodiorite, in part foliated, age uncertain; **Kqm<sub>1</sub>**, kaolinized feldspar-quartz porphyry

## DEVONIAN TO PERMIAN

### UPPER DEVONIAN TO PERMIAN

**DPS** SYLVESTER GROUP: lower part, chert pebble conglomerate, chert arenite, shale, Upper Devonian, in fault contact with overlying chert; **DPSv**, chloritized and saussuritized tholeiitic basalt, breccia, tuff; **DPSu**, serpentinite, peridotite, pyroxenite; **MN**, NIZI FORMATION: crinoidal and cherty limestone, basal pebble conglomerate, Upper Mississippian; **PC**, limestone, Pennsylvanian; **Dpsc**, limestone

## SILURIAN AND DEVONIAN

### UPPER SILURIAN (?) TO MIDDLE DEVONIAN (GIVETIAN)

**S-D** Includes four units, in ascending order, sandstone, dolomitic sandstone, laminated dolomite; laminated dolomite; dark grey fetid limestone and dolomite, dolomite breccia (Givetian); platy limestone

## SILURIAN AND MINOR DEVONIAN

**SDi** Mainly dolomite of SANDPILE FORMATION

## CAMBRIAN, ORDOVICIAN AND SILURIAN

### UPPER CAMBRIAN TO MIDDLE SILURIAN

**ε-S** KECHIKA AND ROAD RIVER FORMATIONS, UNDIVIDED: lower part, Upper Cambrian and Lower Ordovician Kechika Group, argillaceous limestone, calcareous shale; upper part, relatively thin Ordovician black graptolitic shale, minor quartzite and Silurian graptolitic siltstone

### LOWER CAMBRIAN

**ICA** ATAN FORMATION: **ICAq**, lower member, quartzitic sandstone, siltstone, slate, phyllite; **ICAc**, upper member, limestone; **ICA**, undivided micaceous quartzite, mica schist, minor crystalline limestone; **ICAn**, quartzite and schist, age uncertain

## HADRYNIAN

### INGENIKA GROUP

**HIS** STELKUZ FORMATION: interbedded chloritic sandstone, shale, limestone, phyllite; includes distinctive green and maroon weathering members; **HIS<sub>1</sub>**, includes **ICAq**

**HIE** ESPEE FORMATION: crystalline limestone, sandy limestone, dolomite

**HIST** SWANNELL AND TSAYDIZ FORMATIONS, UNDIVIDED: sericite and chlorite phyllite, schist, calcareous siltstone, micaceous quartzite and pebble conglomerate

## SYMBOLS

--- Geological boundary, defined, approximate and assumed

..... Drift boundary

~ Fault, defined; approximate, assumed and concealed; solid circle on downthrown side

~ Fault, thrust, teeth indicate upthrust side

25 25 Bedding, inclined, overturned

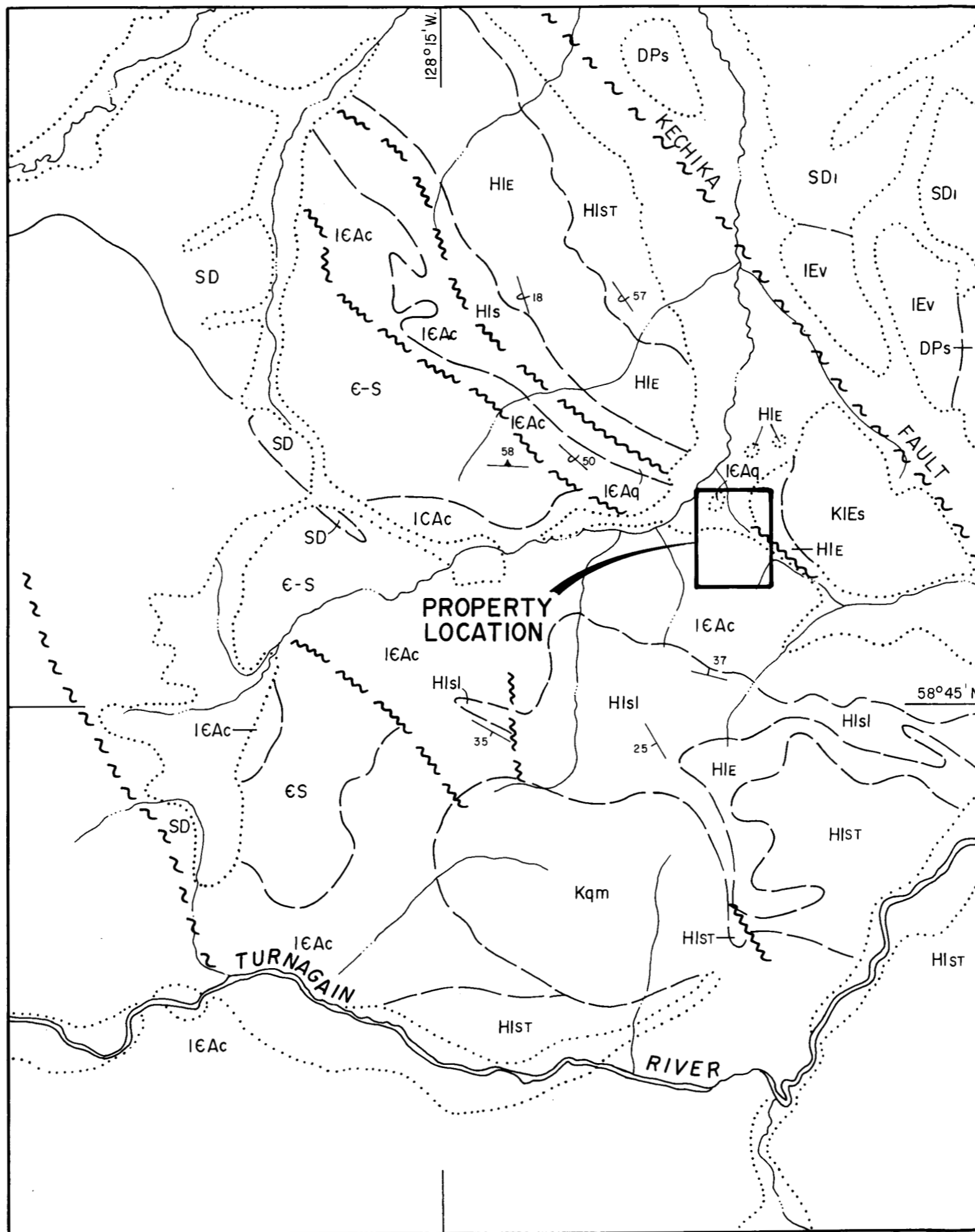
25 Foliation

⊕ Anticline, upright, overturned

⊖ Syncline, upright, overturned

GEOLOGY BY

H. Gabrielse, R.G. Anderson, S.F. Leaming, J.L. Mansy, J.W.H. Monger, L. Thorstad and H.W. Tipper, 1977 and by Officers of the Geological Survey of Canada, 'Operation Stikine', 1956. Incorporates data from Kutcho Creek area by A. Panteleyev and D.E. Pearson, B.C. Ministry of Mines and Petroleum Resources. Compiled by H. Gabrielse

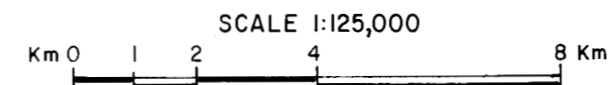


# LEGEND

**IEv** EOCENE  
Rhyolite, Chalcedonic Rhyolite Breccia, Tuff

**KIEs** UPPER CRETACEOUS (?) TO EOCENE (?)  
Conglomerate, Sandstone and Shale

GEOLOGY AFTER G.S.C. MAP O.F. 610 (1978)



ISLAND-ARC RESOURCE CORPORATION

## GOMO PROJECT SIMPLIFIED REGIONAL GEOLOGY

LIARD MINING DIVISION, B.C.

PAMICON DEVELOPMENTS LTD.

DRAWN. J.W.	N.T.S. 104I/16	DATE. AUG. 1991	FIG. 3
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## 6.0 REGIONAL GEOLOGY (Figure 3)

Geology of the Cry Lake map sheet is presented in GSC Open File 610 and was compiled by H. Gabrielse in 1978. Earlier work, also by Gabrielse of the Geological Survey of Canada was published at four mile scale as Map 29-1962.

The regional geology in the property area is characterized by a folded and faulted sequence of Precambrian and Paleozoic strata (Omineca Crystalline Belt) intruded to the southwest by granodiorite rocks of the Cassiar Batholith. Eocene volcanics and sediments, possibly representing a strato volcano, outcrop north and east of the claims adjacent to the Kechika fault. On the west side of the Cassiar Batholith and southwest of the Kutcho fault, Mesozoic volcanic and sedimentary rocks of probable island arc association host the Kutcho Creek volcanogenic massive sulphide deposit.

Precambrian rocks have been dated as Hadrynian Ingenika Group and include units Hle, Hls, Hlst, and Hlsl (GSC Open File 610). The Swannell and Tsaydiz Formations (Hlst) comprises phyllite, schist, calcareous siltstone, micaceous quartzite and pebble conglomerate. The Espee Formation (Hle) includes crystalline limestone, sandy limestone and dolomite while the overlying Stelkuz Formation (Hls) comprises interbedded sandstone, shale, limestone and phyllite with a distinctive maroon and green weathering member (Hlsl).

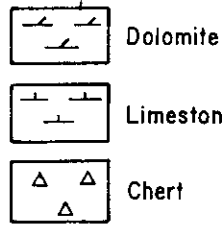
Lower Cambrian Atan Formation comprises a lower quartzite member and an upper limestone member and underlies much of the Gomo claim. The Atan rocks are overlain by Cambro-Silurian sediments including the Road River, Kechika and Sandpile Formations made up of black shale, argillaceous limestone and dolomite. The Sandpile Formation in turn is overlain by Devonian to Permian shale, chert and chert pebble conglomerate of the Sylvester Group.

The Kechika fault, a major strike slip dextral feature trends northwesterly and lies within four kilometres of the Gomo property. Several other faults have been mapped in the area including a thrust fault emplacing Hadrynian Ingenika Group rocks over Lower Cambrian Atan Formation stratigraphy in the

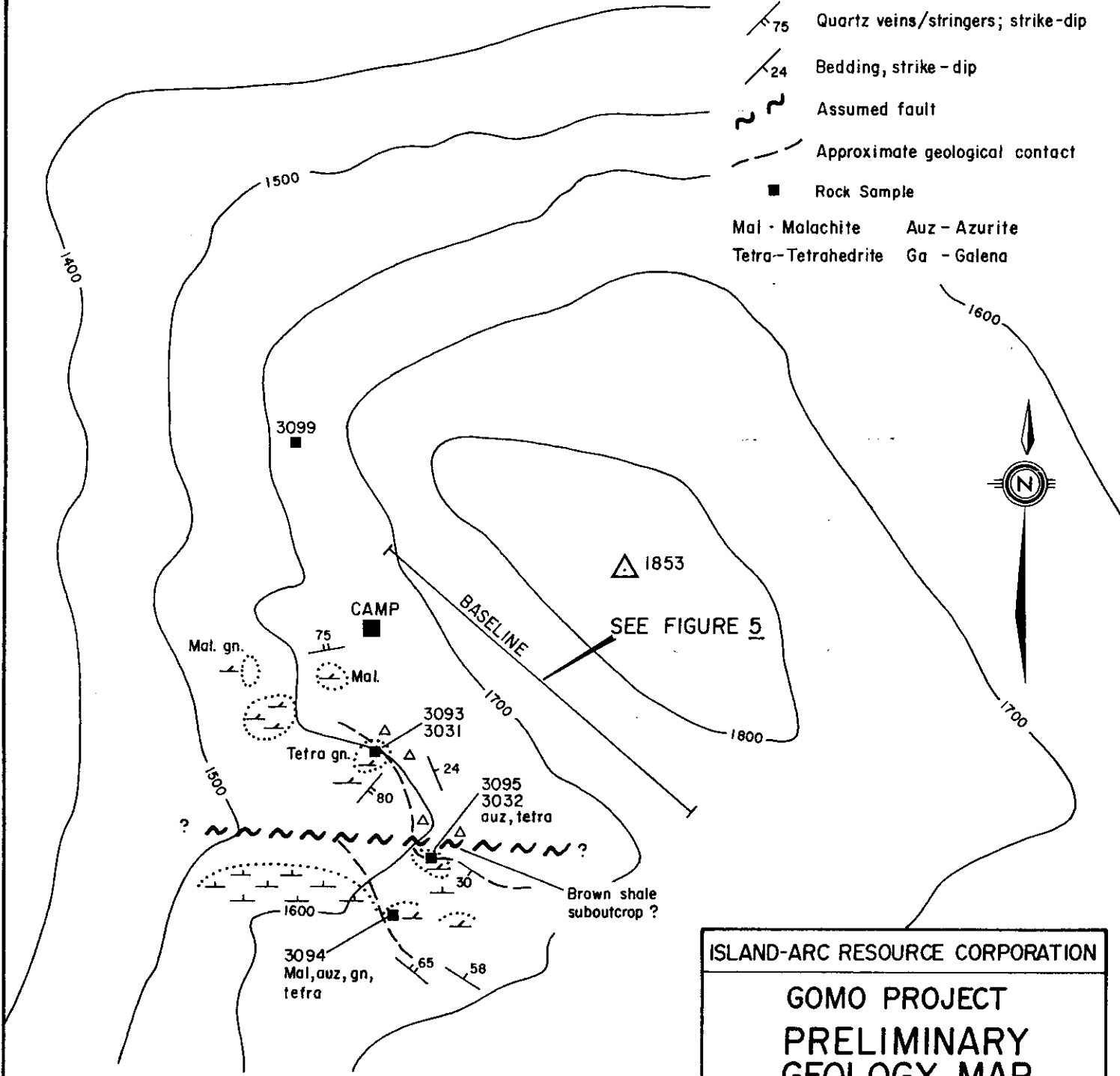
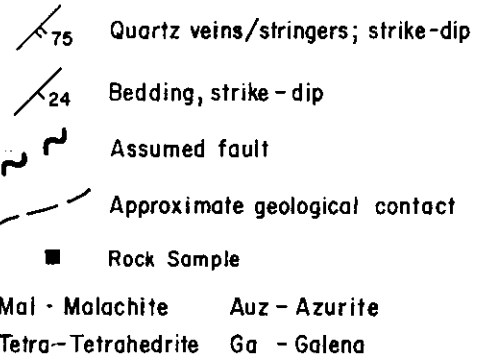
### RESULTS

Sample No.	%Cu	oz/tAg	ppm Pb
1991 3093	2.59	51.60	>10000
3094	1.45	19.80	>10000
3095	1.69	0.29	
3099	0.86	10.60	
1990 3031	2.43	44.10	
3032	2.42	0.43	

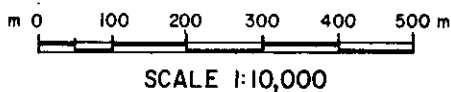
### LEGEND



### SYMBOLS



NOTE. ELEVATIONS IN METRES ABOVE SEA LEVEL



ISLAND-ARC RESOURCE CORPORATION

## GOMO PROJECT PRELIMINARY GEOLOGY MAP

LIARD MINING DIVISION, B.C.

PAMICON DEVELOPMENTS LTD.

Drawn. J.W.	N.T.S. 1041/16	Date. Aug. 1991	FIG. 4
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northeast Gomo claim. Folding is common and much of the strata in the area has been mapped as overturned.

## 7.0 PROPERTY GEOLOGY (Figures 4 and 5)

Detailed geological mapping at 1:1,000 scale was completed during the 1991 work program over a 700 by 200 m area in the southwestern portion of the property (Figure 5). A secant chained and picketed baseline trending 305° and covering the most significant copper-silver showings provided control for mapping. Figure 4, a 1:10,000 scale map shows the location of several other outcrops outside of the detailed map area that were examined briefly.

### 7.1 LITHOLOGIES

Four principal lithologies; limestone, dolomite, chert and brown shale have been mapped on the grid and in the immediate surrounding area. The dolomite and chert units have been tentatively identified as replacement products of the host limestone through dolomitization and silicification. Replacement features have been observed at outcrop scale where limestone grades into dolomite and then chert, usually centred on a fracture. Of note, chert is spatially related to copper-silver mineralization and quartz vein stockworks.

Two limestone units have been identified and include a lower, thin to medium bedded lithology with a mottled or "swiss cheese" texture and an overlying, medium to massive bedded, weakly laminated member. Both weather light grey and are finely crystalline, dark grey on fresh surfaces.

Dolomite weathers tan to locally pink with medium grey, finely crystalline fresh surfaces. Outcrops are massive and frequently shattered with quartz and/or carbonate in-filling fractures. Intensely fractured rock is partially silicified and infrequently grades into chert.

Chert varies in colour from light grey to black, is often dusted with rusty orange iron oxide and is strongly fractured with many cross cutting quartz veinlets. Bedding varies according to the original (?) limestone's characteristics and ranges from medium bedded to massive. The majority of the chert occurs in the central grid area and may be genetically related to hydrothermal mineralizing fluids, fracturing and faulting.

Brown shale appears as a marker or transitional unit between the thin to medium bedded, "swiss cheese" limestone and the more massive, overlying limestone. The shale unit is best exposed in the northwest grid area and is light brown, very thin wafer-like bedded and non-calcareous. Due to the recessive weathering nature of the shale, the total thickness and lateral continuity is poorly understood.

## 7.2 STRUCTURE

In general, stratigraphy strikes northwest with moderate northeast dips. Local meso scale folding is evident with both synform and antiform features present.

At least two, and probably three sets of fracture orientations have been mapped to date on the grid. Many fractures have been filled with mineralized and non-mineralized quartz and/or carbonate veins. Close spaced fracturing combined with tetrahedrite and quartz veins produces significant stockwork mineralization that locally grade into replacement bodies.

Prominent crustal linears interpreted from aerial photographs trend 120° to 125° across the property similar to the dominant attitude of mapped faulting, fracturing and veining. The median dip associated with this 120° orientation is 60°NE. The second fracture set which is also weakly mineralized trends on average about 010° with most dips 60°W. Three normal faults locally offsetting stratigraphy are subparallel with this trend and may be also coeval with

a mineralizing event. A third fracture set, oriented at  $070^{\circ}/35^{\circ}\text{SE}$  is a minor structural component and is not associated with veining or mineralization.

## 8.0 MINERALIZATION (Figures 4 to 7)

Vein, stockwork and replacement style copper-silver mineralization is hosted within Atan Group limestone, chert and dolomite on the Gomo property. The principal showings located to date are found along a 600 m strike length and are associated with a strong northwest trending linear. Extensive talus cover prevents conclusively linking the four mineralized exposures (from west to east named the Blue Sheep, White Dog, Mac and Ewe showings). The occurrences are crudely stratabound and at one or two localities, a bedded appearance has been observed, implying a possible strataform origin. Minerals identified to date include tetrahedrite, spectacular azurite and malachite, minor chalcopyrite, and lesser galena.

Best copper-silver results are associated with semi-massive tetrahedrite in grab samples and include values to 24.7% Cu and 78.5 oz/ton Ag. Chip sample results include maximum values over one metre of 9.85% Cu and 14.20 oz/ton Ag. Gold values are generally very low with the exception of three values >100 ppb including one significant result of 1900 ppb Au (0.060 oz/ton) returned from a grab sample. As expected, abundant tetrahedrite yields high maximum values in antimony and arsenic (both >10000 ppm). Six zinc values greater than 1000 ppm were returned from grab samples and included a maximum value of 3070 ppm. Two prospecting samples collected away from the main showing area and containing galena yielded lead values of >10000 ppm.

### 8.1 BLUE SHEEP SHOWING (Figure 6)

The Blue Sheep showing is exposed in a 25 m long outcrop at L4000N, 5024E. Trench 1, completed in 1990 and totalling 10.0 m in length intersected varying



amounts of tetrahedrite, malachite, azurite, goethite and very minor chalcopryrite mineralization. Best silver and copper grades are found at the northwest end of the outcrop in a 3.0 m wide possible shear zone. Mineralization is open in all directions but evaluation is hampered by deep talus cover. Grab samples with values to 20.0% Cu, 78.5 oz/ton Ag, and 510 ppb Au were returned along with three, 1.0 m panel samples averaging 4.17% Cu and 7.77 oz/ton Ag. Four other sets of sample results collected along strike returned the following values: 5.09% Cu, 7.96 oz/ton Ag over 1.2 m; 5.33% Cu, 0.31 oz/ton Ag across 3.0 m; 3.48% Cu, 1.10 oz/ton Ag also across 3.0 m; and 3.24% Cu, 6.01 oz/ton Ag over 1.6 m. For a complete set of results, including 1990 data refer to Figure 6.

#### 8.2 WHITE DOG SHOWING (Figure 7)

Trench 2, located approximately 120 m southeast of the Blue Sheep showing exposed a 5.0 m thickness of silicified limestone/chert in contact with dolomite containing abundant and spectacular azurite, malachite, tetrahedrite and minor chalcopryrite and pyrite. A significant percentage of copper and silver mineralization is hosted within quartz veins and stringers, while the balance of the sulphides and oxides is found within the silicified carbonates. The showing is open in all directions. In 1990, samples taken across five metres averaged 1.90% Cu and 1.86 oz/ton Ag and a grab sample assayed 12.28% Cu and 11.52 oz/ton Ag. Two parallel panel samples collected over 3.0 m in 1991 returned comparable values of 1.91% Cu and 1.57 oz/ton Ag. Slightly lower values were obtained from the northwest series of samples with with maximum values of 1.51% Cu and 0.93 oz/ton Ag.

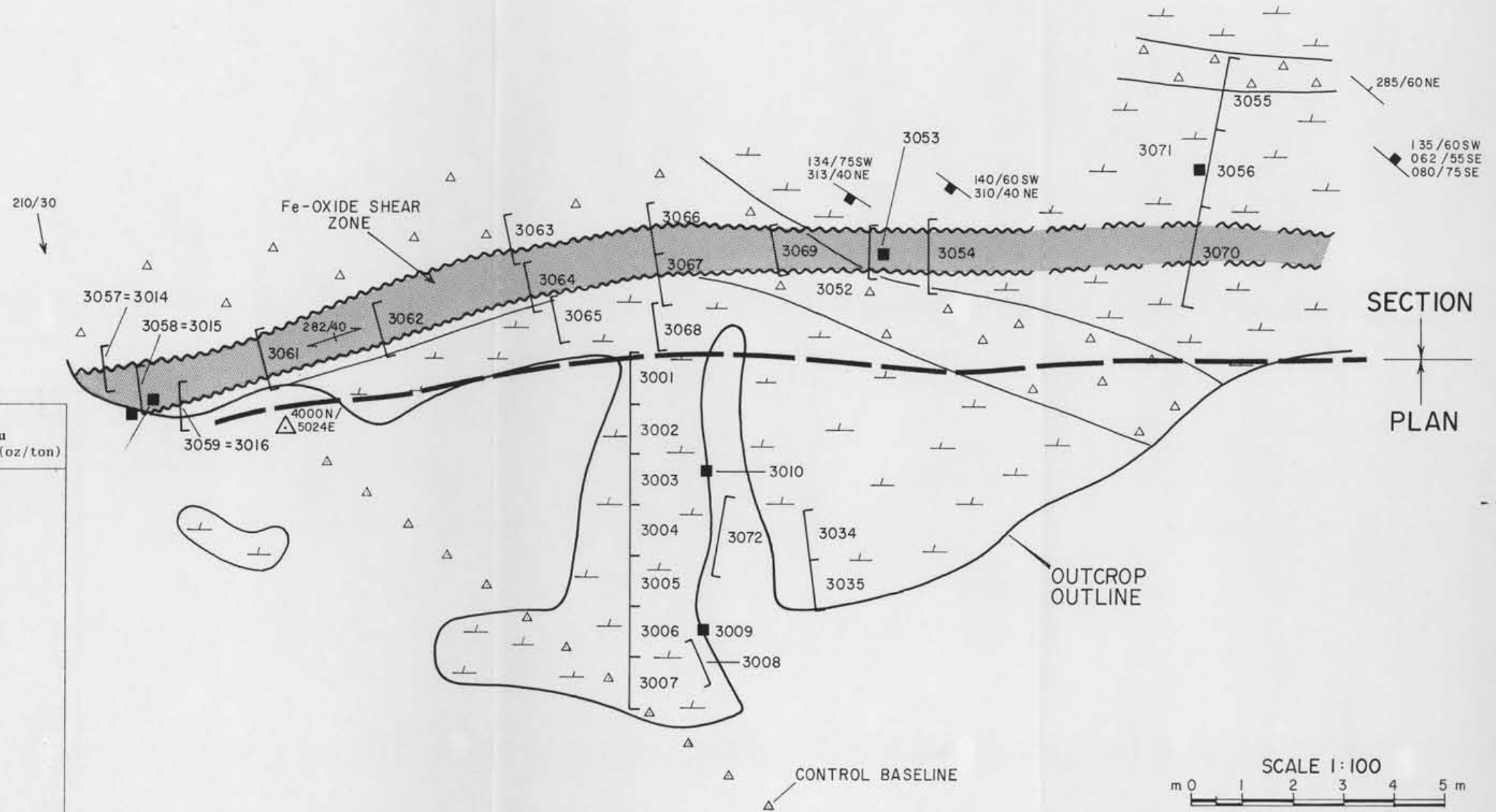
#### 8.3 MAC SHOWING (Figure 5)

The Mac showing is located on the baseline at 3800N and comprises tetrahedrite, azurite and malachite mineralization in silicified limestone/chert. Large frost heaved blocks are situated along a 20 m strike length in a

# LEGEND

- △ △ CHERT
- — DOLOMITE
- SHEAR
- GEOLOGICAL CONTACT
- 3069 CHANNEL SAMPLE
- GRAB SAMPLE
- FRACTURE
- BEDDING
- SLICKENSIDES
- △ GRID STATION 1991

## ← NW/SE → TRENCH FACE/FLOOR SKETCH



SECTION  
↑  
PLAN

	Sample Number	Type	Cu (%)	Ag (oz/ton)	Au (ppb) (oz/ton)	
	3052	1.0 m x 15 cm channel	1.12	0.05		
	3053	select grab	3.42	0.19		
	3054	1.5 m x 15 cm channel	3.91	0.04		
	3055	1.5 m x 15 cm channel	0.26	0.05		
I	3056	1.5 m x 15 cm channel	0.93	0.07		
9	3057	1.0 m x 30 cm channel	1.23	4.91		
9	3058	1.0 m x 40 cm channel	9.85	14.20		
I	3059	1.0 m x 40 cm channel	1.42	4.21		
	3060	select grab	20.0	78.5	510	
S	3061	1.2 m x 40 cm channel	5.09	7.96		
A	3062	1.0 m x 30 cm channel	4.79	1.88		
M	3063	1.0 m x 30 cm channel	8.90	0.48		
P	3064	1.0 m x 30 cm channel	5.94	0.28		
L	3065	1.0 m x 30 cm channel	1.14	0.18		
E	3066	1.0 m x 30 cm channel	1.90	0.75		
S	3067	1.0 m x 30 cm channel	7.27	1.56		
	3068	1.0 m x 30 cm channel	1.26	1.00		
	3069	1.3 m x 15 cm channel	1.45	1.39		
	3070	2.0 m x 15 cm channel	0.42	0.35		
	3071	select grab	1.15	0.09		
	3072	1.6 m x 20 cm channel	3.24	6.01		
	3001	1.0 m x 1.0 m panel	0.14	0.14		
	3002	1.0 m x 1.0 m panel	0.30	0.07		
I	3003	1.0 m x 1.0 m panel	1.18	0.18		
9	3004	1.0 m x 1.0 m panel	0.44	0.80		
9	3005	1.0 m x 1.0 m panel	0.20	0.41		
O	3006	1.0 m x 1.0 m panel	0.29	0.20		
	3007	1.0 m x 1.0 m panel	0.12	0.13		
S	3008	1.0 m x 1.0 m panel	0.59	1.02		
A	3009	select grab	1.40	3.45		
M	3010	select grab	1.27	19.54		
P	3014	1.1 m x 1.0 m panel	1.37	6.21		
L	3015	1.0 m x 1.0 m panel	5.15	17.16		
E	3016	1.0 m x 1.0 m panel	6.47	19.16		
S	3017	select grab	14.10	58.27	0.022	
	3034	1.0 m x 1.0 m panel	1.16	2.01		
	3035	1.0 m x 0.9 m panel	1.47	4.18		

ISLAND-ARC RESOURCE CORPORATION

**GOMO PROJECT  
TRENCH 1  
BLUESHEEP SHOWING  
SECTION/PLAN**

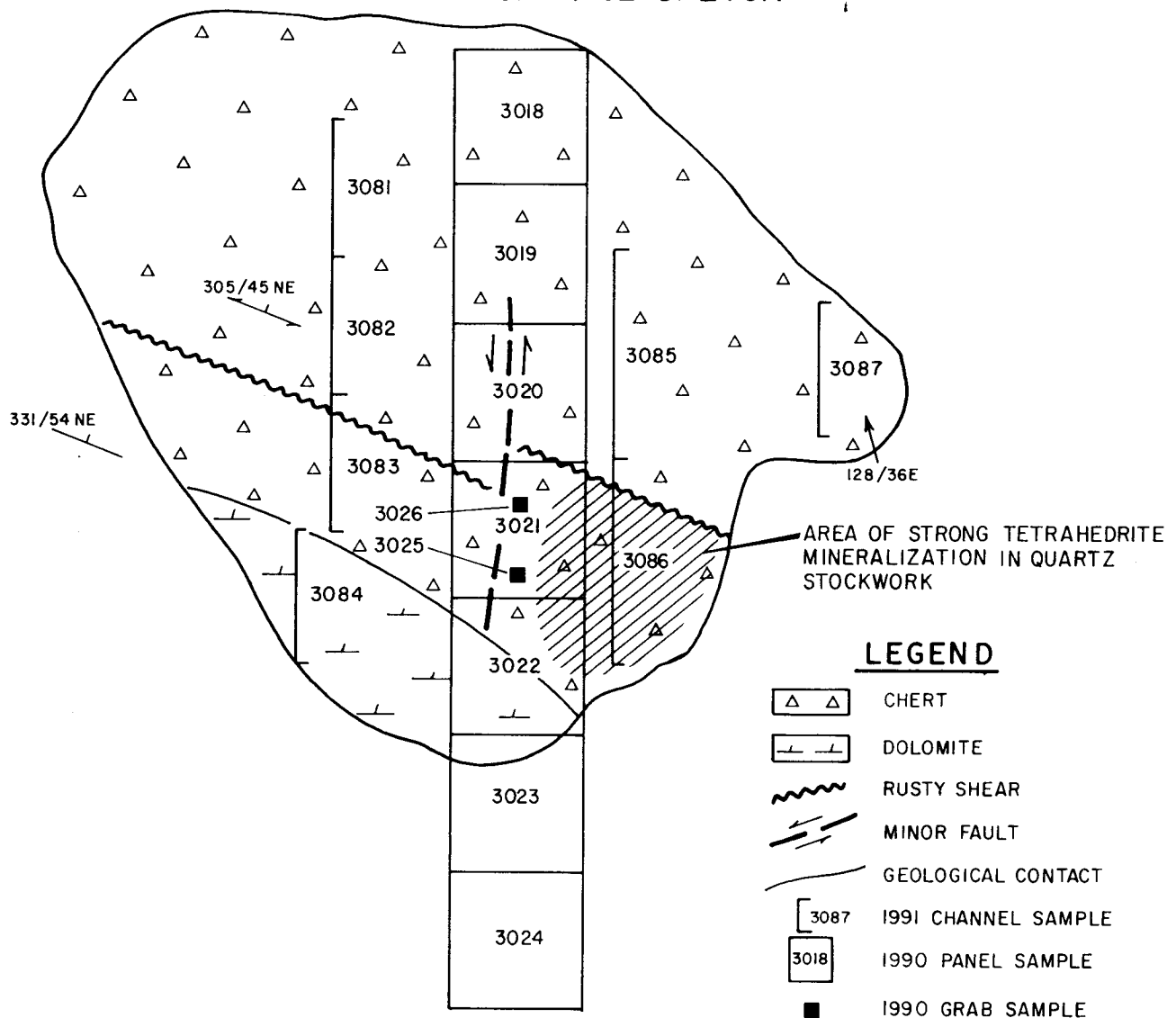
LIARD MINING DIVISION, B.C.

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PAMICON DEVELOPMENTS LTD.

DRAWN. J.W.	N.T.S. 1041/16	DATE. AUG. 1991	FIG. <b>6</b>
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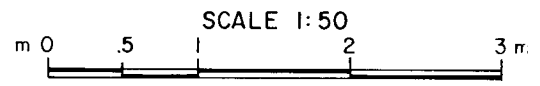
← NW/SE →  
**TRENCH FACE SKETCH**



**LEGEND**

- CHERT
- DOLOMITE
- RUSTY SHEAR
- MINOR FAULT
- GEOLOGICAL CONTACT
- 1991 CHANNEL SAMPLE
- 1990 PANEL SAMPLE
- 1990 GRAB SAMPLE
- FOLIATION
- BEDDING

	Sample Number	Type	Cu (%)	Ag (oz/ton)
1 9 9 1	3081	1.0 m x 15 cm channel	0.72	0.06
	3082	1.0 m x 15 cm channel	1.51	0.93
	3083	1.0 m x 15 cm channel	0.36	0.37
	3084	1.0 m x 15 cm channel	0.19	0.73
	3085	1.5 m x 15 cm channel	0.92	0.17
	3086	1.5 m x 15 cm channel	2.89	2.97
	3087	1.0 m x 15 cm channel	1.36	0.12
1 9 9 0	3018	1.0 m x 1.0 m panel	1.75	1.26
	3019	1.0 m x 1.0 m panel	1.20	0.34
	3020	1.0 m x 1.0 m panel	1.56	0.11
	3021	1.0 m x 1.0 m panel	3.85	3.27
	3022	1.0 m x 1.0 m panel	1.12	4.33
	3023	1.0 m x 1.0 m panel	0.20	0.79
	3024	1.0 m x 1.0 m panel	0.09	0.22
	3025	grab	12.28	11.52
3026	grab	1.76	0.28	



ISLAND-ARC RESOURCE CORPORATION

**GOMO PROJECT  
TRENCH 2  
WHITE DOG SHOWING  
SKETCH SECTION**

LIARD MINING DIVISION, B. C.

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**PAMICON DEVELOPMENTS LTD.**

Drawn. J.W.	N.T.S. 1041/16	Date. Aug. 1991	FIG. <b>7</b>
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prominent linear adjacent to a mineral spring. Heavy talus cover buries projected mineralization until 100 m to the northwest where the White Dog showing outcrops and 100 to 150 m to the southeast where smaller float blocks and outcrops comprise the Ewe showing area. Grab sample results include values to 24.7% Cu, 18.2 oz/ton Ag and 0.060 oz/ton Au.

#### 8.4 OTHER SHOWINGS (Figures 4 and 5)

Several other showings containing significant copper and silver values have been reported and include the following:

A small dolomite outcrop with tetrahedrite, malachite and azurite located midway between the Blue Sheep and White Dog showings assayed 1.51% Cu and 4.07 oz/ton Ag across 25 cm.

Two subparallel structures in dolomite, each less than two metres wide and up to 30 m long host significant tetrahedrite and secondary copper minerals in outcrop, 50 to 75 m northwest of the White Dog showing. Best results include 3.33% Cu and 11.36 oz/ton Ag from a 1.0 m square panel sample from the southerly structure and 2.28% Cu and 2.57 oz/ton Ag across 40 cm from the northerly zone.

The Ewe showing is centred at 3660N, 5020E and consists of a number of float and bedrock copper-silver occurrences hosted by both dolomite and chert in an area 75 metres long by 25 metres wide. Values to 4.08% Cu and 1.27 oz/ton Ag were returned from grab samples (float or bedrock).

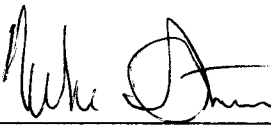
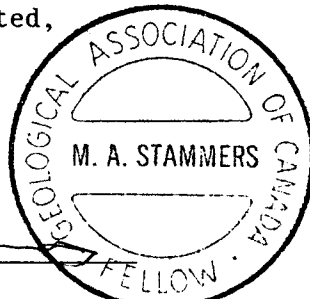
Several other showings, mainly narrow quartz veins with locally semi-massive tetrahedrite, galena, azurite and malachite are found widely scattered in the far northwest grid area. Grab samples collected in this area in 1990 returned very high silver values of up to 77.82 oz/ton and copper to 7.15%. Also south and east of camp (Figure 4), galena, tetrahedrite, and copper secondaries are found in narrow quartz veins and small replacement bodies in dolomite.

Maximum values over widths less than 0.5 m are 2.59% Cu, 51.6 oz/ton Ag, >10000 ppm Pb and 205 ppb Au. Both areas require further examination as the property is explored.

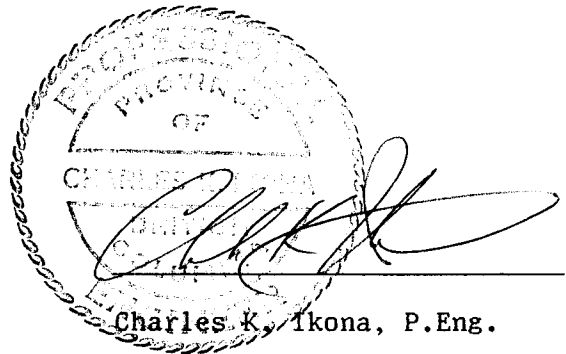
#### 9.0 CONCLUSIONS AND RECOMMENDATIONS

The Gomo project is at early stage of exploration with initial prospecting efforts concentrating on mapping and sampling copper-silver mineralization at the White Dog and Blue Sheep showings. The style of mineralization combines veining, stockworks and replacement bodies in a linear and/or stratabound setting within Lower Cambrian Atan Group limestone, dolomite and chert. Evidence to date indicates a hydrothermal source for the metals rather than a sedimentary syngenetic origin. Copper and silver grades are significant, ranging from between 2 and 5% Cu and 1.5 to 8.0 oz/ton Ag over widths of about 3.0 metres. Heavy and pervasive talus cover preclude continuity and thickness determinations at all showings. The potential of locating a moderate sized Cu-Ag deposit on the property is good. The next stage of evaluation should consist of a five hole, 500 metre diamond drilling program testing the down-dip continuation of mineralization. Prospecting and mapping on the unevaluated portion of the claim group should be carried out concurrent with the drilling.

Respectfully submitted,

Michael A. Stammers, Geologist, FGAC



Charles K. Ikona, P.Eng.

**APPENDIX I**

**BIBLIOGRAPHY**

## BIBLIOGRAPHY

Energy, Mines and Petroleum Resources: GEM Annual Report 1969-49.

Energy, Mines and Petroleum Resources (1969): Assessment Report 2342 on the Winco 1 to 48 Mineral Claims.

Geological Survey of Canada (1962): Map 29-1962.

Geological Survey of Canada (1978): Open File 610.

Ikona, C.K. (1990): Preliminary Observations on the Go-Mo Mineral Claims, private report.

Stammers, M.A. (1991): White Dog Property, Summary Report on 1990 Trenching Program, White Dog Property, private report prepared March 27, 1991.

**APPENDIX II**

**COST STATEMENT**



**COST STATEMENT**  
**GO-MO #8 MINERAL CLAIM**  
**LIARD MINING DIVISION**  
**JULY 14 TO 31, 1991**

**WAGES**

M. Stammers (Geologist) - 12.5 days @ \$325.00	\$4,062.50	
A. Montgomery (Geologist) - 15 days @ \$225.00	<u>3,375.00</u>	
		\$ 7,437.50

**EXPENSES**

Fixed Wing	\$ 440.00	
Freight	183.82	
Travel and Accommodation	187.22	
Camp Food	176.13	
Camp Rentals - 10 days @ \$50.00	500.00	
Radio Rental	50.00	
Assays	1,371.51	
Helicopter	4,488.22	
Drafting	1,491.75	
Air Photos	148.46	
Report Compilation and Materials	1,400.00	
Management Fee	<u>981.89</u>	
		<u>11,419.00</u>
		18,856.50
	GST	<u>1,319.95</u>

**TOTAL THIS PROJECT** \$20,176.45

**APPENDIX III**

**ANALYTICAL PROCEDURES AND CERTIFICATES OF ANALYSIS**



# Chemex Labs Ltd.

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

To: PAMICON DEVELOPMENTS LIMITED

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

A9118856

Comments: ATTN: M. STAMMERS

CERTIFICATE

A9118856

PAMICON DEVELOPMENTS LIMITED

Project: GOMO

P.O. #:

Samples submitted to our lab in Vancouver, BC.  
This report was printed on 20-NOV-91.

## SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
208	49	Assay ring to approx 150 mesh
294	49	Crush and split (0-10 pounds)
233	49	Assay AQ ICP digestion 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
100	49	Au ppb: Fuse 10 g sample	FA-AAS	5	10000
385	49	Ag oz/T: Aqua regia digestion	AAS	0.01	20.0
301	49	Cu %: HClO4-HNO3 digestion	AAS	0.01	100.0
922	49	Ag ppm: 32 element, soil & rock	ICP-AES	0.2	200
921	49	Al %: 32 element, soil & rock	ICP-AES	0.01	15.00
923	49	As ppm: 32 element, soil & rock	ICP-AES	5	10000
924	49	Ba ppm: 32 element, soil & rock	ICP-AES	10	10000
925	49	Be ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
926	49	Bi ppm: 32 element, soil & rock	ICP-AES	2	10000
927	49	Ca %: 32 element, soil & rock	ICP-AES	0.01	15.00
928	49	Cd ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
929	49	Co ppm: 32 element, soil & rock	ICP-AES	1	10000
930	49	Cr ppm: 32 element, soil & rock	ICP-AES	1	10000
931	49	Cu ppm: 32 element, soil & rock	ICP-AES	1	10000
932	49	Fe %: 32 element, soil & rock	ICP-AES	0.01	15.00
933	49	Ga ppm: 32 element, soil & rock	ICP-AES	10	10000
951	49	Hg ppm: 32 element, soil & rock	ICP-AES	1	10000
934	49	K %: 32 element, soil & rock	ICP-AES	0.01	10.00
935	49	La ppm: 32 element, soil & rock	ICP-AES	10	10000
936	49	Mg %: 32 element, soil & rock	ICP-AES	0.01	15.00
937	49	Mn ppm: 32 element, soil & rock	ICP-AES	5	10000
938	49	Mo ppm: 32 element, soil & rock	ICP-AES	1	10000
939	49	Na %: 32 element, soil & rock	ICP-AES	0.01	5.00
940	49	Ni ppm: 32 element, soil & rock	ICP-AES	1	10000
941	49	P ppm: 32 element, soil & rock	ICP-AES	10	10000
942	49	Pb ppm: 32 element, soil & rock	ICP-AES	2	10000
943	49	Sb ppm: 32 element, soil & rock	ICP-AES	5	10000
958	49	Sc ppm: 32 elements, soil & rock	ICP-AES	1	10000
944	49	Sr ppm: 32 element, soil & rock	ICP-AES	1	10000
945	49	Ti %: 32 element, soil & rock	ICP-AES	0.01	5.00
946	49	Tl ppm: 32 element, soil & rock	ICP-AES	10	10000
947	49	U ppm: 32 element, soil & rock	ICP-AES	10	10000
948	49	V ppm: 32 element, soil & rock	ICP-AES	1	10000
949	49	W ppm: 32 element, soil & rock	ICP-AES	10	10000
950	49	Zn ppm: 32 element, soil & rock	ICP-AES	2	10000



# Chemex Labs Ltd.

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

To: PAMICON DEVELOPMENTS LIMITED

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

Project: GOMO  
 Comments: ATTN: M. STAMMERS

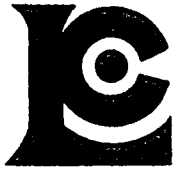
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 Total Pages :2  
 Certificate Date: 15-AUG-91  
 Invoice No. :19118856  
 P.O. Number :  
 Account :BM

## CERTIFICATE OF ANALYSIS A9118856

SAMPLE	PREP CODE		Au ppb	Ag oz/T	Cu %	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm
	FA+AA																				
3052	208	294	< 5	0.05	1.12	< 0.2	0.08	800	10	< 0.5	< 20	12.75	< 0.5	4	54	>10000	1.41	50	15	< 0.01	< 10
3053	208	294	< 5	0.19	3.42	< 0.2	0.12	1735	20	< 0.5	< 20	12.35	< 0.5	6	72	>10000	1.62	40	32	< 0.01	< 10
3054	208	294	< 5	0.04	3.91	< 0.2	0.17	815	10	< 0.5	< 20	10.10	< 0.5	10	45	>10000	4.21	50	5	< 0.01	< 10
3055	208	294	< 5	0.05	0.26	< 0.2	0.02	150	< 10	< 0.5	< 2	13.85	1.5	2	39	2630	0.95	30	1	< 0.01	< 10
3056	208	294	< 5	0.07	0.93	< 0.2	0.02	855	< 10	< 0.5	< 2	>15.00	1.0	< 1	17	8630	0.76	20	5	0.01	< 10
3057	208	294	< 5	4.91	1.23	160.0	3.31	435	10	< 0.5	< 20	1.87	3.5	35	59	>10000	8.41	50	7	0.02	20
3058	208	294	65	14.20	9.85	>200	3.64	3840	30	< 0.5	< 20	4.69	6.0	35	17	>10000	6.99	50	22	0.01	20
3059	208	294	< 5	4.21	1.42	136.5	0.24	1050	< 10	< 0.5	< 20	>15.00	4.0	5	25	>10000	0.94	20	10	< 0.01	< 10
3060	208	294	510	78.5	20.0	>200	0.81	7860	< 10	< 0.5	< 20	3.22	31.5	41	25	>10000	4.36	70	95	0.03	20
3061	208	294	40	7.96	5.09	>200	1.62	2760	20	< 0.5	< 20	11.80	12.5	25	34	>10000	3.54	50	36	< 0.01	< 10
3062	208	294	30	1.88	4.79	54.2	1.76	815	10	< 0.5	< 20	8.25	2.0	17	48	>10000	5.94	40	1	0.01	< 10
3063	208	294	< 5	0.48	8.90	< 0.2	1.60	1230	< 10	< 0.5	< 20	3.42	< 0.5	24	43	>10000	5.50	30	< 1	< 0.01	10
3064	208	294	< 5	0.28	5.94	0.2	2.58	735	10	< 0.5	< 20	2.31	0.5	22	66	>10000	5.09	30	< 1	< 0.01	10
3065	208	294	< 5	0.18	1.14	1.4	0.11	140	< 10	< 0.5	< 20	>15.00	1.5	9	42	>10000	1.26	10	< 1	0.01	< 10
3066	208	294	< 5	0.75	1.90	21.6	0.88	2120	10	< 0.5	< 20	8.21	2.0	24	55	>10000	7.24	30	2	< 0.01	< 10
3067	208	294	< 5	1.56	7.27	38.4	3.64	1940	10	< 0.5	< 20	7.64	< 0.5	30	38	>10000	5.13	40	7	< 0.01	< 10
3068	208	294	< 5	1.00	1.26	24.8	0.07	390	< 10	< 0.5	< 20	>15.00	< 0.5	6	26	>10000	1.20	< 10	9	0.01	< 10
3069	208	294	< 5	1.39	1.45	44.0	0.88	1185	10	< 0.5	< 20	7.54	1.0	19	37	>10000	6.96	30	12	< 0.01	< 10
3070	208	294	< 5	0.35	0.42	6.2	0.06	295	< 10	< 0.5	< 20	>15.00	< 0.5	1	35	4020	1.15	< 10	< 1	< 0.01	< 10
3071	208	294	< 5	0.09	1.15	< 0.2	0.04	910	10	< 0.5	< 20	>15.00	0.5	< 1	27	>10000	0.85	< 10	4	< 0.01	< 10
3072	208	294	20	6.01	3.24	199.0	0.11	1005	10	< 0.5	< 20	13.00	1.0	8	27	>10000	2.34	20	15	< 0.01	< 10
3073	208	294	< 5	1.36	3.33	39.6	0.13	2500	10	< 0.5	20	11.60	< 0.5	8	104	>10000	1.72	30	2	< 0.01	< 10
3074	208	294	< 5	1.94	0.95	62.0	0.06	495	< 10	< 0.5	< 2	>15.00	4.0	3	31	9650	1.65	< 10	7	< 0.01	< 10
3075	208	294	45	2.57	2.28	82.4	0.05	3540	10	< 0.5	20	11.15	< 0.5	5	80	>10000	2.62	30	18	< 0.01	< 10
3076	208	294	20	4.07	1.51	141.0	0.02	325	10	< 0.5	< 20	11.70	2.5	6	31	>10000	0.87	20	17	0.02	< 10
3077	208	294	< 5	1.92	0.27	61.4	0.03	155	10	< 0.5	< 2	>15.00	11.0	< 1	33	2750	1.16	< 10	< 1	0.01	< 10
3078	208	294	< 5	0.20	1.46	6.0	0.03	770	30	< 0.5	20	1.62	1.5	4	78	>10000	0.83	20	2	0.03	10
3079	208	294	5	0.46	0.37	12.6	0.40	3690	10	< 0.5	< 2	12.60	1.5	4	33	3660	5.46	20	5	0.02	< 10
3080	208	294	< 5	0.16	0.90	< 0.2	0.06	980	< 10	< 0.5	< 2	>15.00	< 0.5	1	22	8710	1.00	< 10	15	< 0.01	< 10
3081	208	294	< 5	0.06	0.72	1.8	0.11	415	10	< 0.5	20	4.83	1.0	5	74	6950	0.89	30	1	0.01	10
3082	208	294	< 5	0.93	1.51	30.0	0.41	630	30	< 0.5	< 20	0.53	1.0	4	74	>10000	1.29	20	3	0.01	< 10
3083	208	294	< 5	0.37	0.36	11.4	0.04	285	30	< 0.5	10	8.64	3.5	5	54	3500	1.66	20	< 1	0.02	< 10
3084	208	294	< 5	0.73	0.19	26.0	0.03	90	10	< 0.5	< 2	>15.00	1.5	< 1	29	1805	1.37	< 10	1	0.02	< 10
3085	208	294	< 5	0.17	0.92	5.8	0.09	265	10	< 0.5	22	0.16	< 0.5	3	70	8980	0.67	10	< 1	0.03	< 10
3086	208	294	15	2.97	2.89	95.4	0.07	1525	20	< 0.5	20	8.65	14.5	6	33	>10000	1.27	20	5	< 0.01	< 10
3087	208	294	10	0.12	1.36	2.8	0.35	470	10	< 0.5	20	1.39	< 0.5	9	52	>10000	0.84	20	< 1	0.01	10
3088	208	294	15	0.30	27.1	< 0.2	0.54	410	10	1.0	280	0.13	< 0.5	20	9	>10000	5.23	10	< 1	0.02	< 10
3089	208	294	1900	18.20	24.7	>200	0.33	>10000	270	0.5	< 20	0.20	67.5	31	2	>10000	10.95	10	28	0.03	< 10
3090	208	294	35	0.29	0.62	11.0	0.05	545	10	< 0.5	10	0.70	< 0.5	2	110	6420	0.41	30	1	0.02	< 10
3091	208	294	< 5	1.27	4.08	34.4	0.16	1750	10	5.0	< 20	0.21	< 0.5	3	61	>10000	7.72	10	5	0.01	< 10

CERTIFICATION:

*B. Taylor*



# Chemex Labs Ltd.

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

To: PAMICON DEVELOPMENTS LIMITED

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 Account :BM

Project : GOMO  
 Comments: ATTN: M. STAMMERS

## CERTIFICATE OF ANALYSIS

### A9118856

SAMPLE	PREP CODE	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
3052	208 294	7.70	450	< 1	0.03	< 1	80	10	125	2	27	< 0.01	< 10	< 50	4	< 50	56
3053	208 294	7.53	465	< 1	0.03	1	10	10	365	2	39	< 0.01	< 10	< 50	1	< 50	88
3054	208 294	5.92	340	< 1	0.03	11	10	14	275	2	17	< 0.01	< 10	< 50	< 1	< 50	48
3055	208 294	8.57	360	< 1	0.03	< 1	60	2	165	1	31	< 0.01	< 10	< 50	< 1	< 10	16
3056	208 294	11.70	375	< 1	0.03	< 1	40	14	555	2	30	< 0.01	< 10	< 50	1	< 10	16
3057	208 294	1.03	145	< 1	0.02	98	700	150	1650	8	37	< 0.01	< 10	< 50	4	< 50	120
3058	208 294	2.75	275	1	0.03	86	< 10	168	>10000	9	29	< 0.01	< 10	< 50	< 1	100	128
3059	208 294	11.35	330	< 1	0.03	4	50	184	3490	1	40	< 0.01	< 10	< 50	1	< 50	80
3060	208 294	1.59	200	< 1	0.03	69	< 10	372	>10000	5	18	< 0.01	< 10	< 50	< 1	350	720
3061	208 294	7.30	330	< 1	0.03	49	70	70	9910	3	51	< 0.01	< 10	< 50	1	50	160
3062	208 294	5.03	255	1	0.01	48	130	34	1570	3	17	< 0.01	< 10	< 50	< 1	< 50	64
3063	208 294	1.89	200	< 1	0.01	69	< 10	4	715	3	11	< 0.01	< 10	< 50	< 1	< 50	96
3064	208 294	1.31	150	2	0.01	88	20	4	395	4	10	< 0.01	< 10	< 50	< 1	< 50	104
3065	208 294	9.09	405	< 1	0.02	13	60	< 2	240	1	22	< 0.01	< 10	< 50	1	< 50	24
3066	208 294	4.51	355	1	0.01	64	300	46	1420	5	17	< 0.01	< 10	< 50	5	< 50	64
3067	208 294	3.90	275	1	0.01	105	< 10	22	1435	5	15	< 0.01	10	< 50	< 1	< 50	72
3068	208 294	12.20	395	< 1	0.02	11	30	20	1145	2	42	< 0.01	< 10	< 50	2	< 50	24
3069	208 294	2.79	320	2	0.01	54	230	30	1160	6	14	< 0.01	< 10	< 50	2	< 50	120
3070	208 294	11.75	450	< 1	0.02	7	50	14	405	1	36	< 0.01	10	< 50	< 1	< 10	16
3071	208 294	12.15	390	< 1	0.02	7	40	12	650	2	31	< 0.01	< 10	< 50	1	< 50	32
3072	208 294	7.41	340	< 1	0.03	40	< 10	44	5060	2	36	< 0.01	< 10	< 50	1	< 50	88
3073	208 294	6.31	400	1	0.03	5	< 10	16	310	1	43	< 0.01	< 10	< 50	1	< 50	104
3074	208 294	9.94	460	< 1	0.03	19	30	22	770	1	29	< 0.01	< 10	< 50	1	10	170
3075	208 294	6.63	370	< 1	0.03	< 1	20	6	490	1	18	< 0.01	< 10	< 50	< 1	< 50	64
3076	208 294	6.98	265	< 1	0.02	31	50	126	4800	1	43	< 0.01	< 10	< 50	2	< 50	56
3077	208 294	10.40	395	< 1	0.03	< 1	40	50	940	1	58	< 0.01	< 10	< 50	3	10	88
3078	208 294	0.95	65	1	0.02	27	20	64	290	< 1	10	< 0.01	< 10	< 50	< 1	< 50	64
3079	208 294	7.41	345	< 1	0.03	33	470	22	900	5	42	< 0.01	< 10	< 50	3	10	32
3080	208 294	10.95	435	< 1	0.02	24	50	6	290	1	43	< 0.01	< 10	< 50	1	< 10	16
3081	208 294	3.04	120	< 1	0.01	26	100	78	80	1	21	< 0.01	< 10	< 50	< 1	< 10	24
3082	208 294	0.24	35	1	< 0.01	29	40	24	825	1	3	< 0.01	< 10	< 50	< 1	< 50	112
3083	208 294	5.13	295	1	0.01	24	60	22	505	1	48	< 0.01	< 10	< 50	< 1	10	160
3084	208 294	11.25	555	< 1	0.02	19	40	4	280	1	81	< 0.01	< 10	< 50	< 1	< 10	72
3085	208 294	0.06	10	1	< 0.01	27	50	88	75	< 1	1	< 0.01	< 10	< 50	< 1	< 10	40
3086	208 294	5.19	300	< 1	0.01	28	< 10	32	3060	1	63	< 0.01	< 10	< 50	1	< 50	272
3087	208 294	0.65	120	< 1	< 0.01	40	40	92	380	1	6	< 0.01	< 10	< 50	< 1	< 50	64
3088	208 294	0.06	55	5	< 0.01	54	1430	4	290	5	2	< 0.01	< 10	< 50	< 1	< 50	560
3089	208 294	0.03	330	4	< 0.01	52	< 10	190	>10000	5	8	< 0.01	< 10	< 50	< 1	400	2000
3090	208 294	0.38	35	< 1	0.01	27	60	40	135	< 1	4	< 0.01	20	< 50	2	10	96
3091	208 294	0.08	55	2	0.01	43	50	316	660	1	3	< 0.01	< 10	< 50	< 1	50	704

CERTIFICATION:

*B. Coughlin*



# Chemex Labs Ltd.

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

To: PAMICON DEVELOPMENTS LIMITED

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

Project : GOMO  
 Comments: ATTN: M. STAMMERS

Page Number :2-A  
 Total Pages :2  
 Certificate Date: 15-AUG-91  
 Invoice No. :19118856  
 P.O. Number :  
 Account :BM

## CERTIFICATE OF ANALYSIS

### A9118856

SAMPLE	PREP CODE		Au ppb	Ag oz/T	Cu %	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm
	FA+AA																				
3092	208	294	< 5	0.39	1.68	12.8	0.04	2550	10	< 0.5	12	0.06	< 0.5	1	130	>10000	0.97	30	9	0.01	< 10
3093	208	294	95	51.6	2.59	>200	0.02	2200	40	< 0.5	24	0.10	>100.0	3	79	>10000	0.98	30	3	< 0.01	< 10
3094	208	294	205	19.80	1.45	>200	0.04	1640	10	< 0.5	18	1.71	69.5	3	114	>10000	2.13	30	2	< 0.01	10
3095	208	294	< 5	0.29	1.69	5.6	0.02	3820	20	< 0.5	< 2	>15.00	1.5	< 1	43	>10000	0.70	10	7	0.02	< 10
3096	208	294	< 5	0.09	0.04	6.2	0.45	105	10	< 0.5	4	0.20	< 0.5	5	73	449	2.87	20	< 1	0.02	< 10
3097	208	294	30	0.16	0.20	7.8	1.08	460	40	< 0.5	< 2	0.35	1.0	29	47	2100	>15.00	20	< 1	0.04	10
3098	208	294	< 5	0.01	0.04	2.0	0.41	615	20	< 0.5	< 2	0.18	< 0.5	6	76	434	8.59	20	< 1	< 0.01	< 10
3099	208	294	70	10.60	0.86	>200	0.01	145	< 10	< 0.5	10	0.94	24.0	1	120	9090	0.40	40	2	< 0.01	10
3100	208	294	< 5	0.04	0.01	3.6	0.04	25	< 10	< 0.5	2	0.08	0.5	< 1	155	133	0.32	30	< 1	< 0.01	< 10

CERTIFICATION:

*B. Coughlin*



# Chemex Labs Ltd.

Analytical Chemists \* Geochemists \* Registered Assayers

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

To: PAMICON DEVELOPMENTS LIMITED

711 - 675 W. HASTINGS ST.  
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P.O. Number :  
Account :BM

## CERTIFICATE OF ANALYSIS

### A9118856

SAMPLE	PREP CODE		Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sc	Sr	Ti	Tl	U	V	W	Zn
			%	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
3092	208	294	0.01	25	1	0.01	29	50	240	140	< 1	1	< 0.01	10	< 50	< 1	< 50	96
3093	208	294	0.02	15	15	< 0.01	23	90	>10000	>10000	1	3	< 0.01	< 10	< 50	< 1	500	1280
3094	208	294	1.04	50	< 1	< 0.01	17	60	>10000	7630	1	13	< 0.01	< 10	< 50	< 1	50	448
3095	208	294	11.35	290	< 1	0.02	9	20	224	365	2	34	< 0.01	< 10	< 50	2	< 50	896
3096	208	294	0.12	25	< 1	0.01	23	380	44	90	2	5	< 0.01	< 10	< 50	1	< 10	32
3097	208	294	0.22	490	5	0.01	122	1840	24	370	7	5	< 0.01	< 10	< 50	< 1	< 50	88
3098	208	294	0.07	80	19	0.02	28	530	10	220	8	3	< 0.01	< 10	< 50	1	10	16
3099	208	294	0.42	40	< 1	0.02	< 1	20	158	1015	< 1	5	< 0.01	< 10	< 50	1	60	112
3100	208	294	0.04	10	1	0.02	< 1	40	32	25	< 1	1	< 0.01	< 10	< 50	< 1	< 10	32

CERTIFICATION:

**APPENDIX IV**

**GEOCHEMICAL DATA SHEETS - ROCK SAMPLING**



Sampler Montgomery/Stammers  
Date July 1971

Project GOMO  
Property Go-Mo #8

Location Ref FIGURE 6

Air Photo No \_\_\_\_\_

TRENCH # 1

SAMPLE NO.	LOCATION	SAMPLE TYPE	Sample Width True Width	DESCRIPTION			ADDITIONAL OBSERVATIONS	ASSAYS					
				Rock Type	Alteration	Mineralization		Ag	Cu				Au
3052	TRENCH #1	1.0m x 15cm channel		dolomite	qtz/calcite	tetra. ml/aug	20cm wide q.v. fracture zone	.05	1.12				
3053	"	select grab		q.v.		tetra ml/aug	select grab from fracture zone of 3052	.19	3.42				
3054	"	1.5m x 15cm channel		dolomite	göthite/linenite	ml/aug ± cpy.	Cu secondary over ~1.0m	.04	3.91				
3055	"	"		dolomite/chert	silicified/linenite	cpy. ml/aug	wide zone of second. Cu on fractures.	.05	0.26				
3056	"	"		dolomite	"	ml/aug	"	.07	0.93				
3057	"	1.0m x 0.3m pannel		dolomite	oxidized	minor ml/aug	western end of shear	4.91	1.23				
3058	"	1.0m x 0.4m pannel		"	"	good ml/aug/tetra.		14.20	9.85				
3059	"	1.0m x 0.4m pannel		rext. dolomite		tetra. / aug.	stringer + disseminated tetra./aug. (70% mixed)	4.21	1.42				
3060	"	grab		dolomite	oxidized	5% tetra. ml/aug.		78.5	20.0				510 ppb
3061	"	1.2m x 0.4m pannel		dolomite	"	aug/minor cpy.		7.96	5.09				
3062	"	1.1m x 0.3m pannel		"	"	tetra(?) aug/ml.		1.88	4.79				
3063	"	1.0m x 0.3m pannel		dolomite	veined/oxidized	aug/ml		0.48	8.90				
3064	"	"		"	oxidized	"		0.23	5.94				
3065	"	"		rext. dolomite		minor tetra./aug.		0.18	1.14				
3066	"	"		Fe Ox.	göthite/linenite	ml/aug	fracture controlled ferrocete zone?	0.75	1.90				
3067	"	"		dolomite	oxidized	"		1.56	7.27				
3068	"	"		rext. dolomite	"	minor aug.		1.00	1.26				
3069	"	1.3m x 15cm channel		chert	intense limonite/göth.	ml/aug	sample of same structure as 3052	1.39	1.45				
3070	"	2.0m x 15cm channel		dolomite	silicified	ml/aug	fracture controlled mineral.	0.35	0.42				
3071	"	select grab		"	"	v. stringer ml/aug.	select grab of sample 3056	0.09	1.15				

Sampler Montgomery/Sumner  
Date July 1991

Project GOMO  
Property Go-Mc #8

Location Ref FIGURES 5 & 7  
Air Photo No \_\_\_\_\_

SAMPLE NO.	LOCATION	SAMPLE TYPE	Sample Width	True Width	DESCRIPTION			ADDITIONAL OBSERVATIONS	ASSAYS				
					Rock Type	Alteration	Mineralization		Ag	Cu			
TRENCH #1 AND AREA:													
3072	1.6m x 0.2m channel	TRENCH #1			ddolomite	(hematite?) oxidized	mul./auz		6.01	3.24			
3073	1.0m x 1.0m pannel	4040N/5040E			nextl. dolomite		tetra., cpy; mul./auz	up to 2.0m wide shear + fracture controlled + q.v. hosted	1.36	3.33			
3074	4m SE of 3073	1.0m x 1.0m pannel			"		tetra. mul./auz	no q.v.	1.94	0.95			
3075	4068N 5043E	40cm x 10cm pannel			"		10% tetra. auz.	narrow shear, sample across 1990 sample 3030 zone.	2.57	2.28			
3076	5000E 3910N	25cm x 10cm chip			ddolomite			good Cu - minz.	4.07	1.51			
3077	15m @ 025° 5050E/4150N	1.0m x 15cm channel			ddolomite	qtz - carbonate	minor cpy. ± py. auz/mul	1 metre wide carbonate/qtz shear-fracture zone.	1.92	0.27			
3078	20m @ 350 5000E/4150N	select grab			chert			minz'd talus block 30cm x 50cm	0.20	1.46			
3079	13m @ 100° from 3074	1.5m x 15cm channel			chert	limonite/ quartzite	auz/mul.	minz'd fracture zone	0.46	0.37			
3080	5m NW of 3079	0.7m x 15cm channel			ddolomite	limonite	"	f.w. to zone of 3079	0.16	0.90			
TRENCH #2 AND AREA:													
3081	TRENCH #2	1.0m x 15cm channel			chert		mul./auz		0.06	0.72			
3082	"	"			"		"		0.93	1.51			
3083	"	"			"		"	minor quartz veining	0.37	0.36			
3084	"	1.0m x 15cm channel			ddolomite		"	minor quartz stringers	0.73	0.19			
3085	"	1.5m x 15cm channel						≡ 3079 + 1/2 3020 (1990)	0.17	0.92			
3086	"	"						≡ 1/2 3020 + 3021 (1990)	2.97	2.89			
3087	"	1.0m x 15cm channel							0.12	1.36			
3088	7m SE of 3089								0.30	27.1			
3089	10m @ 325° 3300N	select grab			ddolomite in chert		v. strong auz/mul	one of several large > 1m minz'd talus blocks	18.20	24.7			1900 ppb

**RAMON DEVELOPMENTS LIMITED**

**Geochemical Data Sheet - ROCK SAMPLING**

NTS 104 I 16

Sampler Montgomery/Stammers  
Date July 1991

Project GOMO  
Property Go-Mo # 8

Location Ref FIGURES 4 & 5  
Air Photo No \_\_\_\_\_

SAMPLE NO.	LOCATION	SAMPLE TYPE	Sample Width True Width	DESCRIPTION			ADDITIONAL OBSERVATIONS	% AG		ASSAYS		
				Rock Type	Alteration	Mineralization		AG	CU	PB	ZN	AO
30910	15m @ 355 5025E/3700N	select grab		chert	iron oxide	3-5% tetra. auz/mal	min 1/2 over 1.0m area; fracture controlled.	0.29	0.62			
30911	5025E 3640N	float grab		dolomite	oxidized	tetra. mal.		1.27	4.08			
30912	10m NE of 30911	select grab		chert		tetra. auz/mal.	subcrop/talus 5m x 3m area	0.39	1.68			
WEST OF CAMP:												
30913	west of an. el. 1600m	select grab		q.v.	limonite	mal. tetra. sp.	Berry's 1990 sample, 30cm wide q.v. good. (1990)	51.6	2.59	70,000		95
30914	el. 1620m	"		dolomite	qtz. float	tetra. sp., auz	30m x 30cm area	19.80	1.45	71,000		205
30915	el. 1595m	"		dolomite	"	tetra. auz	small area just above 30912	0.29	1.69			
30916	3750V 5025E	float grab		chert limonite	FeOx.	-	large talus blocks, and small blocks float/talus.	0.09	0.04			
30917	20m SE of 30916	"		"	"	-	v. limonite boxwork - ferrocrete (?)	0.16	0.20			
30918	15m W of 5050E/3525N	"		limonite box		-	dominantly chert fragments in limonite matrix.	0.01	0.04			
30919	NW of 1991 baseline el. 1630m	select grab		q.v.		tetra. auz/mal.	40cm wide q.v. (one of several) in dolomite, best	10.60	0.86			
3100	gossan up hill of sump.	grab		q.v./leached dolomite	limonite	-	mineral vein in 10m x 20m qtz. vein plus at along linear bright yellow gossanous knob just up hill of sump.	0.04	0.01			

**APPENDIX V**

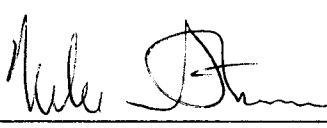
**STATEMENT OF QUALIFICATIONS**

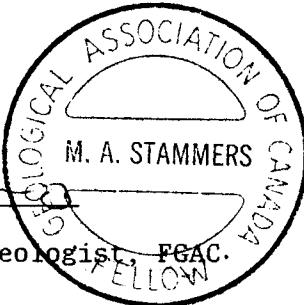
STATEMENT OF QUALIFICATIONS

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

1. I am a graduate of McMaster University (1977) and hold a combined Honours B.A. in Geology and Geography.
2. I have practiced in my profession with various mining companies in Yukon, British Columbia and the Northwest Territories for 18 years.
3. I am a Fellow of the Geological Association of Canada.
4. This report is based on work completed in October 1990 and July 1991 under my direct field supervision.
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 receive any such interest.
6. THAT I hereby grant permission to Island-Arc Resource Corporation for the use of this report in any prospectus or other documentation required by any regulatory authority.

DATED at Vancouver, B.C., this 22 day of November, 1991.

  
\_\_\_\_\_  
Michael A. Stammers, Geologist, PGAC.



**APPENDIX VI**

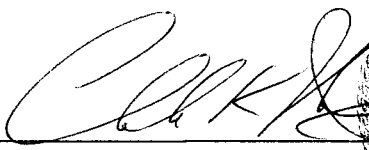
**ENGINEER'S CERTIFICATE**

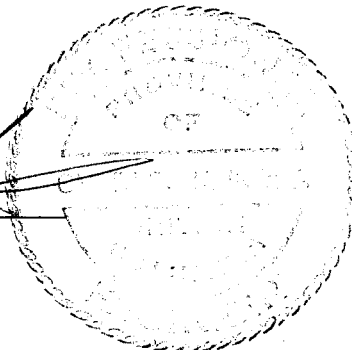
ENGINEER'S CERTIFICATE

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 an October 1989 examination of the property.
5. THAT I have no direct or indirect interest in the property described herein or the securities of the company nor do I expect to receive any such interest.
6. THAT I consent to the use by Island-Arc Resource Corporation 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 22 day of Nov, 1991.

  
\_\_\_\_\_  
Charles K. Ikona, P.Eng.

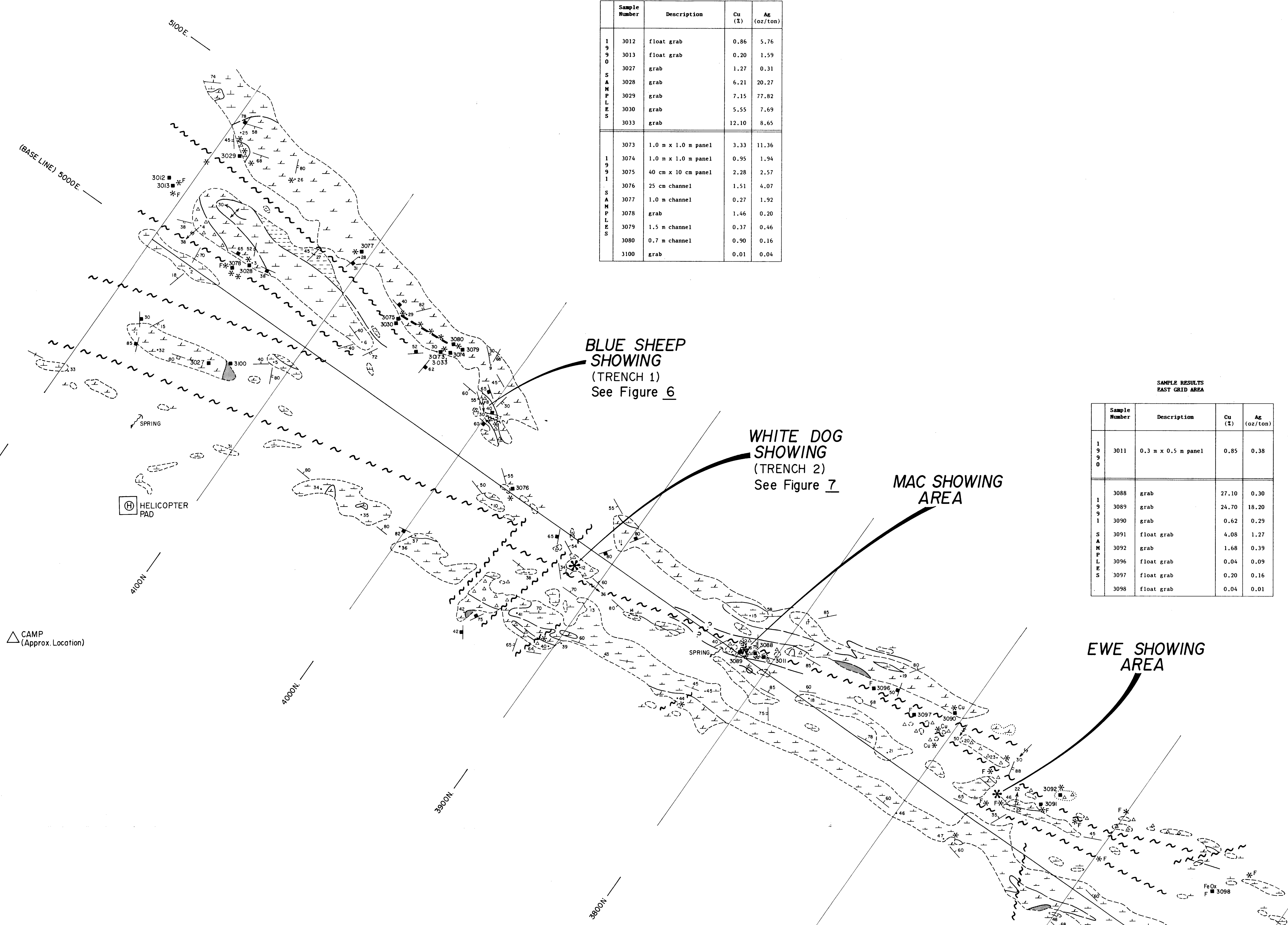
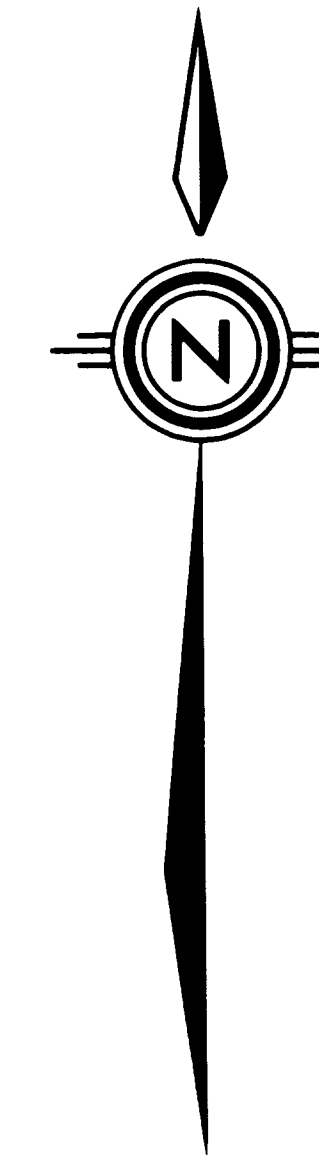


SAMPLE RESULTS  
WEST GRID AREA

Sample Number	Description	Cu (%)	Ag (oz/ton)
3012	float grab	0.86	5.76
3013	float grab	0.20	1.59
3027	grab	1.27	0.31
3028	grab	6.21	20.27
3029	grab	7.15	77.82
3030	grab	5.55	7.69
3033	grab	12.10	8.65
3073	1.0 m x 1.0 m panel	3.33	11.36
3074	1.0 m x 1.0 m panel	0.95	1.94
3075	40 cm x 10 cm panel	2.28	2.57
3076	25 cm channel	1.51	4.07
3077	1.0 m channel	0.27	1.92
3078	grab	1.46	0.20
3079	1.5 m channel	0.37	0.46
3080	0.7 m channel	0.90	0.16
3100	grab	0.01	0.04

SAMPLE RESULTS  
EAST GRID AREA

Sample Number	Description	Cu (%)	Ag (oz/ton)
3011	0.3 m x 0.5 m panel	0.85	0.38
3088	grab	27.10	0.30
3089	grab	24.70	18.20
3090	grab	0.62	0.29
3091	float grab	4.08	1.27
3092	grab	1.68	0.39
3096	float grab	0.04	0.09
3097	float grab	0.20	0.16
3098	float grab	0.04	0.01



SYMBOLS

- 3078 ROCK SAMPLE LOCATION
- PICKETED BASELINE WITH GRID COORDINATES
- SPRING
- LITHOLOGICAL CONTACT
- ~ FAULT ASSUMED
- 24 GEOLOGICAL STATION
- SUBCROP, FELSINATED
- OUTCROP
- \* COPPER MINERALIZATION, (F) DENOTES FLOAT
- 65 BEDDING, STRIKE AND DIP
- VEIN, STRIKE AND DIP
- FRACTURE, STRIKE AND DIP
- FOLD AXIS; TREND, PLUNGE
- SLICKENSIDES; TREND, PLUNGE

LITHOLOGIES

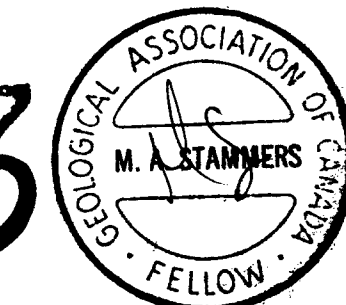
- GREY LIMESTONE
- TAN DOLOMITE
- RUSTY CHERT/SILICIFIED LIMESTONE
- BROWN SHALE
- QUARTZ / CALCITE VEIN

GEOLOGICAL BRANCH  
REGISTRATION NO. 22,063

22,063

SCALE 1:1000

m 0 20 40 60 80 100 m



ISLAND-ARC RESOURCE CORPORATION

GOMO PROJECT  
PRELIMINARY  
GEOLOGY MAP

LIARD MINING DIVISION, B.C.

PAMICON DEVELOPMENTS LTD.

DRAWN: J.W. N.T.S. 104 I/16 DATE: AUGUST, 1991 FIG. 5