#### ARIS SUMMARY SHEET

\_istrict Geologist, Smithers

Off Confidential: 89.04.14

ASSESSMENT REPORT 17279

MINING DIVISION: Liard

-ROPERTY:

Secretariat-Still

LOCATION:

LAT 56 30 52 LONG 130 59 12

UTM 09 6264893 377751

NTS 104B10W

CLAIM(S):

Secretariat, Still

OPERATOR(S): UTHOR(S):

Ashworth, C.

-REPORT YEAR:

Todoruk, S.L.; Ikona, C.K.

1988, 38 Pages

COMMODITIES

BEARCHED FOR: Gold, Silver

BEOLOGICAL

SUMMARY:

The claims appear to be underlain by similar Lower Jurassic Unuk River Formation lithologies as those which host significant gold deposits on Skyline Exploration Ltd.'s and Cominco/Delaware Resource Corp.'s claims. Float samples of quartz veining with pyrite, galena and sphalerite assayed 15.4 and 18.2 grams per tonne gold.

WORK

DONE:

Geochemical

3 sample(s);ME HMIN ROCK 22 sample(s) ;ME

LOG NO: 0419	RD.
ACTION:	
FILE NO:	

GEOLOGICAL REPORT ON THE FUNCE

SECRETARIAT AND STILL MINERAL CLAIMS

Liard Mining Division

NTS 104B/11E, 10W, 7W, 6E

56°30' North Latitude

131°02' West Longitude

GEOLOGICAL BRANCH

- Prepared for -

ZARA GOLD SYNDICATE

- Prepared by -

S.L. TODORUK, Geologist C.K. IKONA, P.Eng. SUB-RECORDER RECEIVED
APR 1 4 1988

March, 1988

# GEOLOGICAL REPORT on the SECRETARIAT and STILL MINERAL CLAIMS

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#### 1.0 INTRODUCTION

The Secretariat and Still mineral claims (40 units) are situated in the Iskut River area of northwestern British Columbia 11 kilometres south of Skyline Explorations Ltd.'s Stonehouse Gold deposit and 15 kilometres south of Cominco/Delaware Resource Corp.'s Twin Zone gold deposit. Both deposits report reserves in excess of one million tons grading approximately 0.7 oz/ton gold.

Five kilometres to the north of the Secretariat and Still claims, Androne Resources Ltd.'s property also hosts several anomalous gold targets.

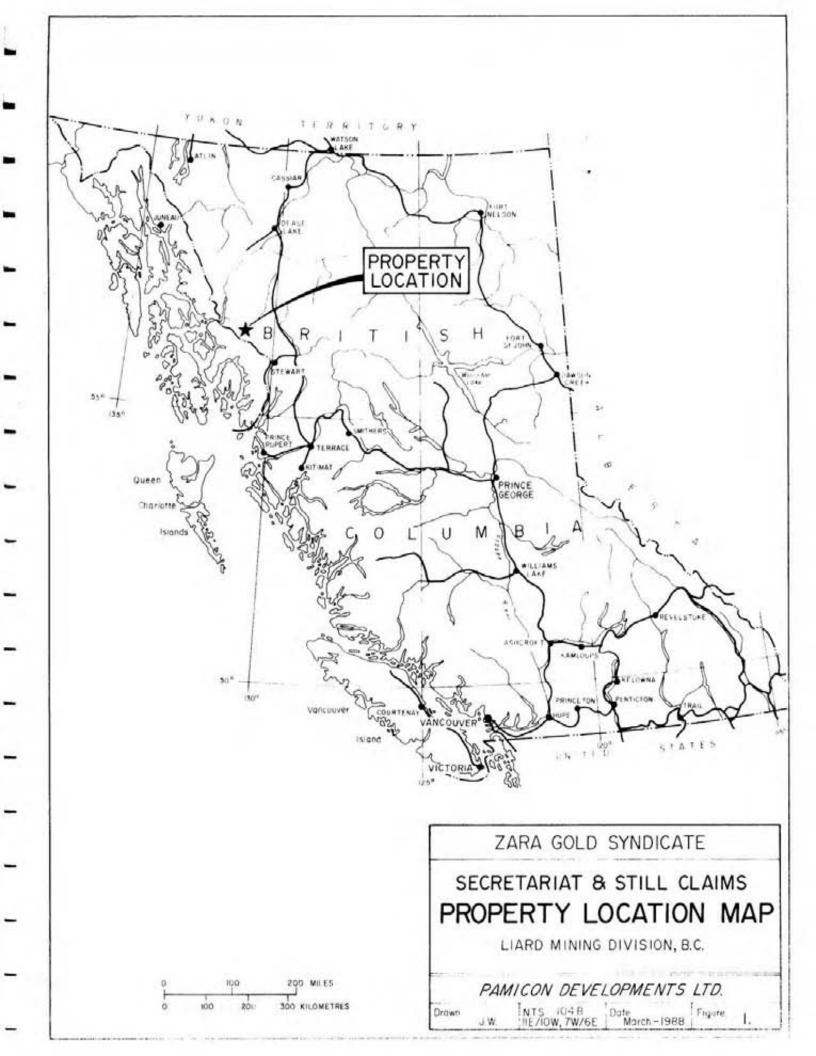
During the 1987 summer field season, a total of 12 man days were spent prospect rock chip and heavy mineral concentrate sampling the subject property.

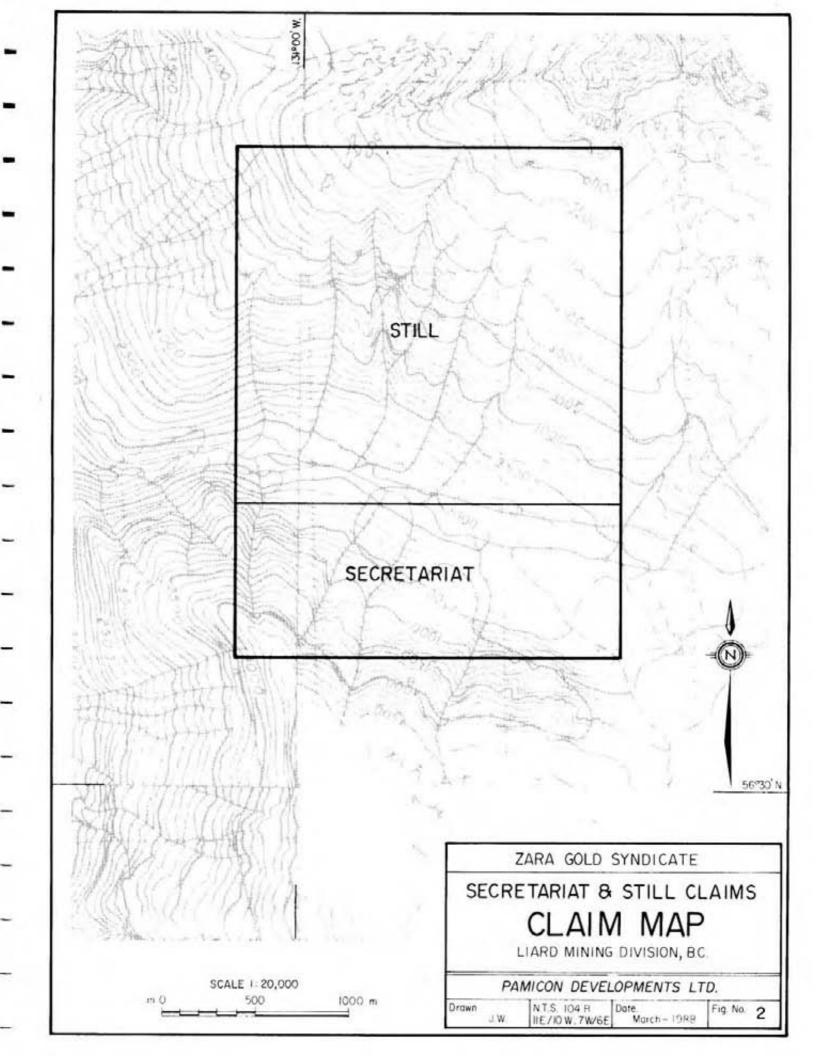
Float samples collected from the claims returned anomalous values of 0.449 oz/ton Au and 0.532 oz/ton Au.

#### 2.0 LIST OF CLAIMS

Records of the British Columbia Ministry of Energy, Mines and Petroleum Resources indicate that the following claims (Figure 2) are owned by Clive Ashworth.

Claim Name	Units Record No. Record Date		Record Date	Expiry Date
Secretariat	20	4041	April 16, 1987	April 16, 1990
Still	20	4049	April 16, 1987	April 16, 1990





#### 3.0 LOCATION, ACCESS AND GEOGRAPHY

The Secretariat and Still mineral claims are located approximately 80 kilometres east of Wrangell. Alaska, and 100 kilometres northwest of Stewart, British Columbia, on the eastern edge of the Coast Range Mountains (Figure 1). The Olatine Creek flows one kilometre to the west of the claim boundary. Coordinates of the claims area are 56°30' north latitude and 131°02' west longitude, and the property falls under the jurisdiction of the Liard Mining Division. The area is covered on NTS Map Sheets 104B/6E, 11E and 104B/7W, 10W.

Access to the property is via helicopter from the Bronson Creek gravel air strip, located approximately 18 kilometres to the north. 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.

The construction of a road 65 kilometres long has been proposed by C.K. Ikona of Pamicon Developments Limited on behalf of Skyline Explorations Ltd. The road would be situated on the south side of the Iskut Valley to connect the Stewart-Cassiar Highway with a proposed BC Hydro dam site on the Iskut River and Skyline's Stonehouse Gold deposit on Bronson Creek.

Geographically, the area is typical of mountainous and glaciated terrain with the elevations ranging from a few hundred metres above sea level in the river valley bottoms to in excess of 1500 metres at the ridge tops. Major drainages are U-shaped, whereas smaller side creeks tend to be steeply cut due to the intense erosional environment. Active glaciation is prevalent above the 1200 metre contour, with the tree line existing at 1000 metres. The upper reaches of the area are covered with alpine vegetation. The lower slopes are predominantly timbered with a variety of conifers with an undergrowth of devil's club. More open areas and steeper slopes contain dense slide alder growth. Both summer and winter temperatures would be considered generally moderate and in excess of 200 centimetres of precipitation may be expected during any given year.

#### 4.0 AREA HISTORY

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.

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 Reg 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 Sulphurets 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 Development 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, 1987):

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	39.73	1.605

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. As of January 1988, reserves on the Stonehouse Gold Zone were reported as:

	Au	Tons
	(oz/ton)	
Total Measured	1.246	121,000
Total Drill-Indicated	0.556	236,875
Total Inferred	0.570	700,000
Subtotal	0.644	1,057,875
McFadden	2.800	30,000
Ore Reserve Total	0.704	1,087,875

On the Delaware Resources Ltd. - Cominco Snip claims immediately north of the Stonehouse Gold deposit, approximately 10,000 metres of diamond drilling was carried out, mainly delineating the Twin Zone. Drill hole S-71 intersected 10.2 metres of 2.59 oz/ton gold. An underground program is expected to begin in early 1988. As of December, 1987, reserves on the Twin Zone were reported as:

	Au	Tons
	(oz)	
Total Inferred	0.700	1,100,000

Also, during 1987 Inel Resources Ltd. commenced an underground drifting and diamond drilling program along the main cross-cut intent on intersecting the Discovery Zone which hosts gold-bearing polymetallic massive sulphide mineralization.

Western Canadian Mining Corp. carried out an extensive diamond drilling program on their Gosson claims, concentrating on the Khyber Pass Gold Zone which is 45 metres thick. The best drill hole intersection in this zone to date is as follows:

Hole	From	From To		Length		Silver	Copper	
	(m)	(m)	(m)	(ft)	(oz/t)	(oz/t)	(%)	
85-3	11.2	16.8	5.6	18.4	0.12	6.48	1.74	
	30.2	44.2	5.2	17.1	0.17	2.66	0.90	
	54.5	60.1	5.6	18.4	0.15	1.77		
	66.0	69.0	3.0	9.8	0.28	1.54		

Tungco Resources Corporation drill tested three main gold/copper quartz vein targets; the Bluff, No. 7 and Swamp 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.

#### 5.0 REGIONAL GEOLOGY

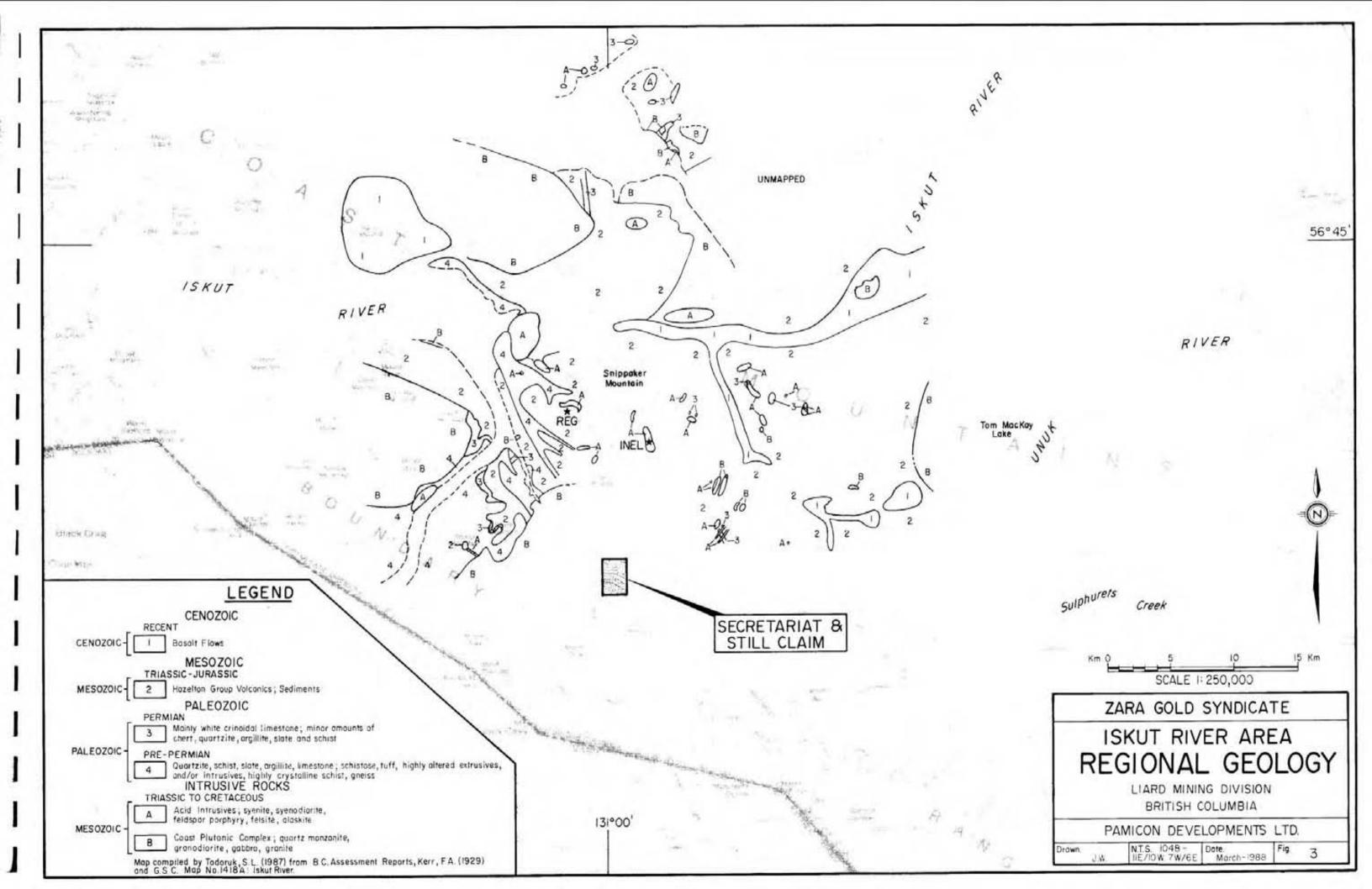
Government mapping of the general geology in the Iskut River area (Kerr, 1929, GSC Maps 9-1957 and 1418-1979) has proved to be incomplete and unreliable. Subsequent mineral exploration studies have greatly enhanced the lithological and stratigraphic knowledge of this geo-entity known as the Stewart Complex (Grove, 1986).

Grove (1986) defines the Stewart Complex in the following manner:

"The Stewart Complex lies along the contact between the Coast Plutonic Complex on the west, the Bowser Basin on the east, Alice Arm on the south and the Iskut River on the north."

Within the Stewart Complex the oldest rock unit consists of Paleozoic crinoidal limestone overlying metamorphosed sedimentary and volcanic members. This oceanic assemblage has been correlated with the Cache Creek Group.

Unconformably overlying the Paleozoic limestone unit are Upper Triassic Hazelton Group island arc volcanics and sediments. These rocks have informally



been referred to as the "Snippaker Volcanics." Grove (1981) correlates this assemblage to the Unuk River Formation of the Stewart Complex whereas other writers match this group with the time equivalent Stuhini Volcanics. Monotis fossils have been recognized on the north slope of Snippaker Peak and west of Newmont Lake, 20 km to the north, giving an age Late Triassic. It is within these rocks that Skyline's Stonehouse Gold and Inel deposits occur (Figure 3).

Grove reports an unconformable contact between Carboniferous and Middle Jurassic strata on both sides of Snippaker Ridge, north of Snippaker Peak. The same unconformable relationship between these major rock units appears to extend from Forrest Kerr Creek west, along the Iskut River, to the Stikine River junction. Present interpretation suggests an east-west trending thrust along the axis of the Iskut River which, like the King Salmon Thrust Fault, pushed up and over to the south.

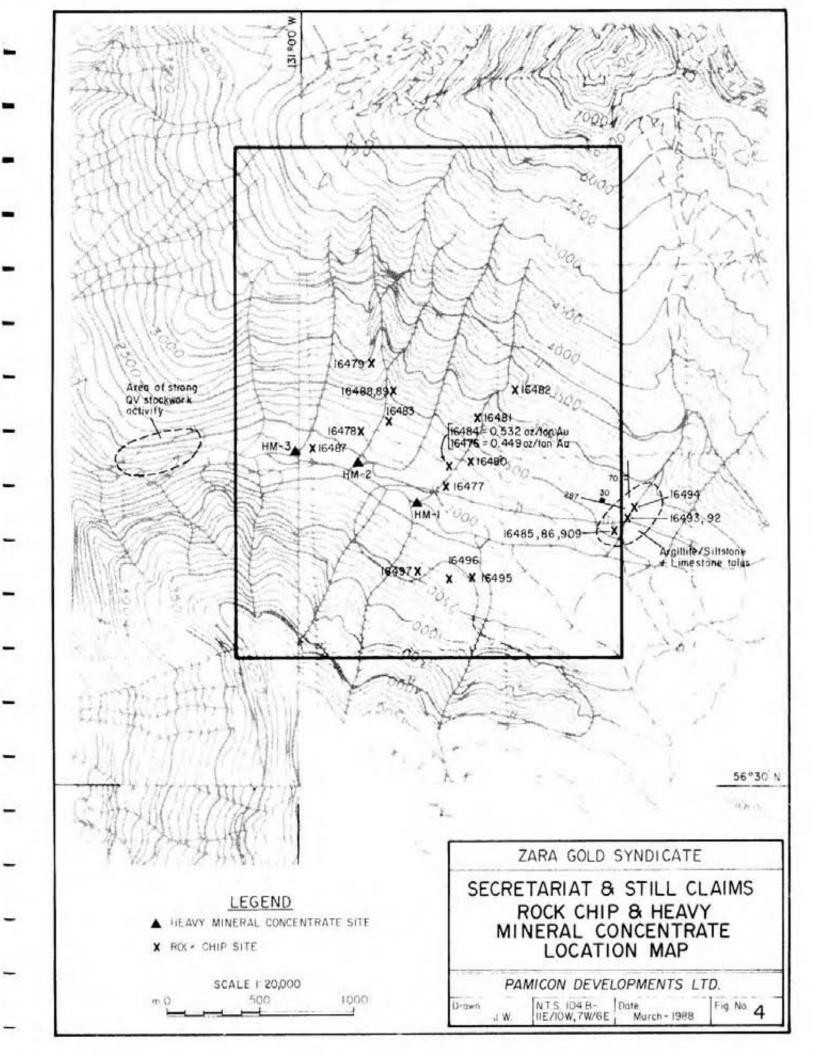
Following the Iskut River thrust faulting, the entire region was overlain by Middle Jurassic Hazelton Group volcanic-sedimentary rocks named the Betty Creek Formation by Grove (1986).

The batholithic Coast Plutonic Complex intrusions in the Iskut region are of Cretaceous and Tertiary age. Composition varies from quartz monzonite and granodiorite to granite. Satellitic subvolcanic acidic porphyries may be important in the localization of mineralization.

Quaternary and Tertiary volcanics occur to the east along the Iskut River near Forrest Kerr Creek and north at Hoodoo Mountain.

#### 6.0 PROPERTY GEOLOGY AND MINERALIZATION

Geological mapping was carried out only at a minimal scale while prospecting. Near the east-central area of the claims, silicified argillite/greywacke/silt-stone occurs outcropping along creek draws. A total of 22 rock chip and 3 heavy mineral concentrate samples were collected (Figure 4).



Several quartz veins varying in width from 2 cm to in excess of 75 cm were sampled. Pyrite + pyrrhotite + chalcopyrite were present in amounts of 2% to 5%. Quartz vein orientations varied between 103/30-80 NE and 80-57 NW.

An anomalous float rock chip sample of quartz veining with galena, sphalerite and pyrite obtained near the centre of the claims assayed as follows:

Sample Number	Pb (ppm)	Zn (ppm)	Ag (ppm)	(oz/ton)		
16476	8,875	2,159	22.2	0.449		
16484	3,079	1,101	8.1	0.532		

A swarm of quartz veins were seen to occur along a steep valley gorge on the main Creek. The veins were not investigated due to time contraints.

#### 7.0 DISCUSSION AND CONCLUSIONS

The Secretariat and Still mineral claims appear to be underlain by similar geological lithologies as to those which host Skyline Explorations Ltd.'s Stonehouse Gold deposit and the Cominco/Delaware Resource Corp. Twin Zone gold deposit. Both deposits report reserves in excess of one million tons grading 0.7 ounces gold per ton.

Anomalous float samples collected from the Secretariat and Still claims returned assays of 0.449 and 0.532 oz/ton gold. A traverse up the easternmost creek identified numerous quartz-sulphide veins. Along the main east-west trending creek, a quartz vein swarm was found to occur within a valley gorge. Time and steepness did not permit an investigation into these veins.

#### 8.0 RECOMMENDATIONS

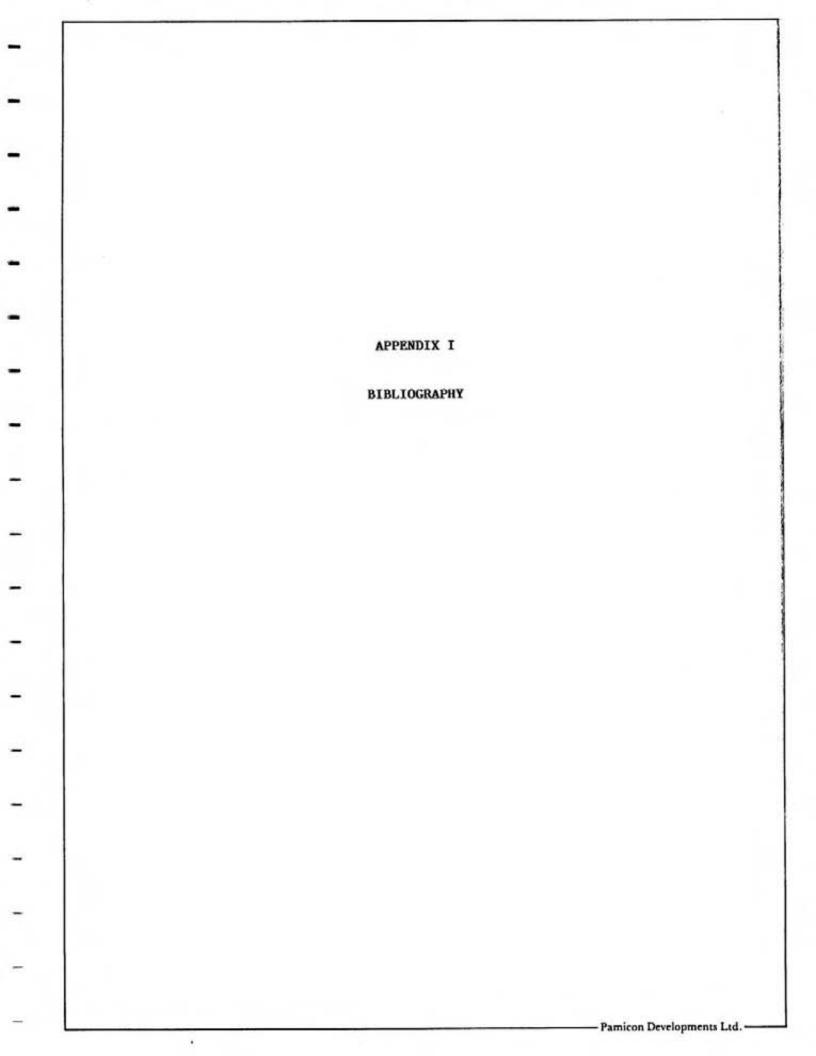
For the 1988 field season, continued prospecting and geological mapping should be carried out on the Secretariat and Still claims. The program should be conducted during August and September when rain is at a minimum to allow safer climbing conditions.

Immediate emphasis should be placed on locating the source of the anomalous gold samples discovered in 1987.

Respectfully submitted,

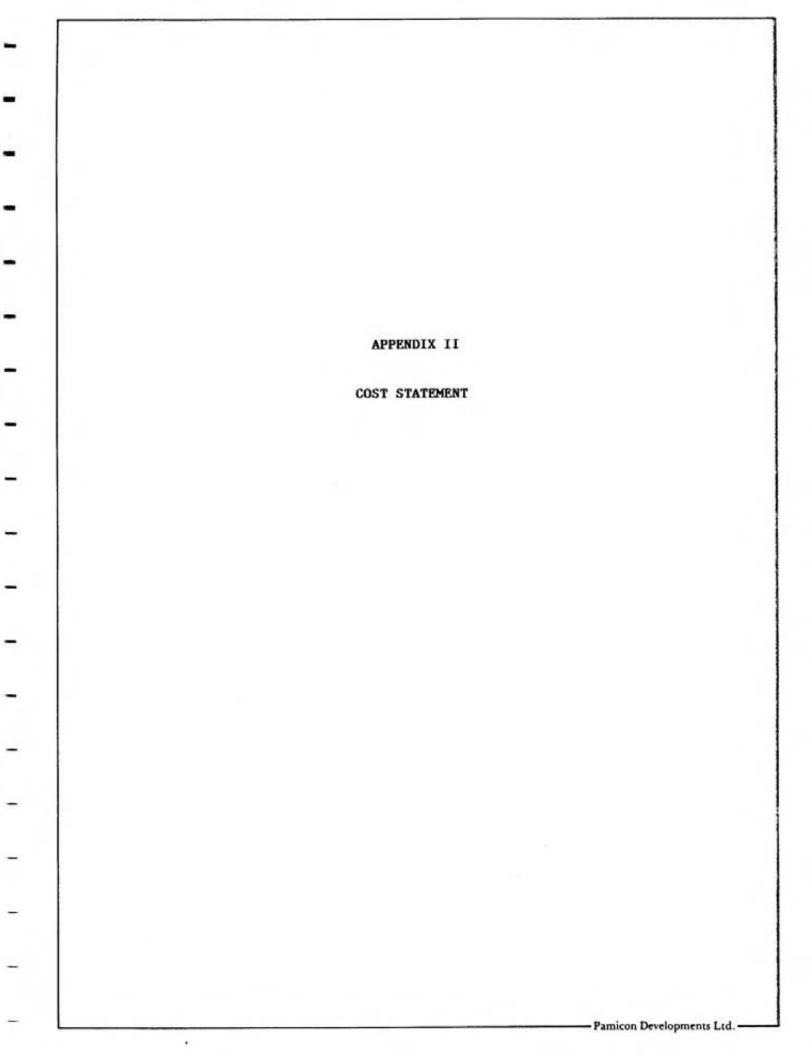
Steve L. Todoruk, Geologist

Charles K. Ikona, P.Eng.



#### BIBLIOGRAPHY

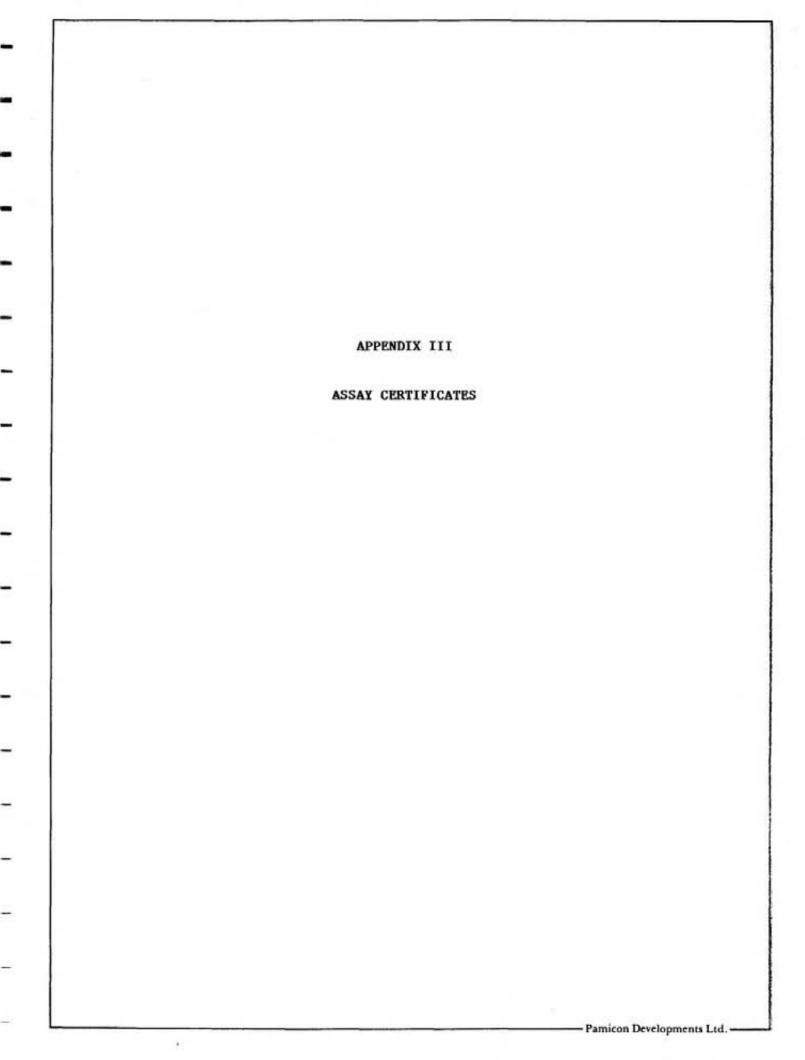
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- Grove, E.W. (1987): Exploration Proposal on the Still and Secretariat Claims.
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- Todoruk, S.L. and C.K. Ikona (1987): Geological Report on the Gab 11 & 12 Mineral Claims and Stu 8 & 9 Mineral Claims.
- 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.
- Tungco Resources Corporation: News release dated December 1, 1987.
- Western Canadian Mining Corp.: News release dated November 12, 1987.



# COST STATEMENT

WAGES				
S. Todoruk - 1 day @ \$350 E. Debock - 1 day @ \$275 N. Debock - 3 days @ \$275 K. Gourley - 1 day @ \$225 R. Riedel - 2 days @ \$200 C. Vanderveen - 1 day @ \$200 C. Ikona - 1 day @ \$450 Management - 2 days @ \$250			350.00 275.00 825.00 225.00 400.00 200.00 450.00	
TOTAL WAGES				\$ 3,225.00
EXPENSES				
Man Day Support  Management - 3 days  Crew - 9 days  NMH - 3 days  15 days @ \$	125/day	\$ 1	,875.00	
Equipment and Expendible Field 9 days @ \$30	d Supplies		270.00	
Aviation Helicopter Fixed Wing Airstrip User Fee	\$ 2,444.3 1,241.4 500.0	45 00	,185.77	
Equipment Rental Truck ATV	\$ 250.0 250.0		500.00	
Air Fare			500.00	
Communication			100.00	
Freight			100.00	
Toodoggone Resources			87.49	
Assays			391.00	
TOTAL EXPENSES				8,099.26
Management Fee on Expenses @	15%			1,201.39
TOTAL THIS PROGRAM				\$12,435.65

- Pamicon Developments Ltd. -





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December 23, 1987

TO:

Steve Todoruk

PAMICON DEVELOPMENTS

711 - 675 W. Hastings St. Vancouver, B.C. V6B 1N4

FROM:

Vangeochem Lab Limited 1521 Pemberton Avenue

North Vancouver, British Columbia

V7P 2S3

SUBJECT:

Analytical procedure used to determine Aqua Regia

soluble gold in geochemical samples.

### 1. Method of Sample Preparation

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

#### 2. Method of Digestion

- (a) 5.00 to 10.00 grams of the minus 80-mesh portion of the samples were used. Samples were weighed out using an electronic micro-balance and deposited into beakers.
- (b) Using a 20 ml solution of Aqua Regia (3:1 solution of HCl to HNO3), each sample was vigorously digested over a hot plate.
- (c) The digested samples were filtered and the washed pulps were discarded. The filtrate was then reduced in volume to about 5 ml.



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- (d) Au complex ions were then extracted into a di-isobuty! ketone and thiourea medium (Anion exchange liquids "Aliquot 336").
- (e) Separatory funnels were used to separate the organic layer.

### 3. Method of Detection

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

### Analysts

The analyses were supervised or determined by Mr. Conway Chun or Mr. Eddie Tang and his laboratory staff.

Eddie Tang

VANGEOCHEM LAB LIMITED



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December 23, 1987

TO:

Steve Todoruk

PAMICON DEVELOPMENTS

711 - 675 W. Hastings St. Vancouver, B.C. V6B 1N4

FROM:

Vangeochem Lab Limited 1521 Pemberton Avenue

North Vancouver, British Columbia

V7P 283

SUBJECT:

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

### 1. Method of Sample Preparation

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

#### 2. Method of Extraction

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



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(d) The gold bead is retained for subsequent measurement.

### Method of Detection

- (a) The gold bead is dissolved by boiling with aqua regia solution, then diluted with deionized water to 10 mls volume.
- (b) The detection of gold was performed with a Techtron model AA5 Atomic Absorption Spectrophotometer with a gold hollow cathode lamp. The results were read out on a strip chart recorder. The gold values, in parts per billion, were calculated by comparing them with a set of known gold standards.

#### 4. Analysts

The analyses were supervised or determined by Mr. Conway Chun or Mr. David Chiu and his laboratory staff.

David Chiu

VANGEOCHEM LAB LIMITED



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December 23, 1987

TO:

Steve Todoruk

PAMICON DEVELOPMENTS

711 - 675 W. Hastings St. Vancouver, B.C. V6B 1N4

FROM:

Vangeochem Lab Limited 1521 Pemberton Avenue

North Vancouver, British Columbia

V7P 283

SUBJECT:

Analytical procedure used to determine hot acid soluble for 28 element scan by Inductively Coupled Plasma Spectrophotometry in geochemical silt and soil samples.

### 1. Method of Sample Preparation

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

#### Method of Digestion

- (a) 0.50 gram portions of the minus 80-mesh samples were used. Samples were weighed out using an electronic balance.
- (b) Samples were digested with a 5 ml solution of HCL:HN03:H20 in the ratio of 3:1:2 in a 95 degree Celsius water bath for 90 minutes.
- (c) The digested samples are then removed from the bath and bulked up to 10 ml total volume with dimineralized water and thoroughly mixed.



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## 3. Method of Analyses

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

### 4. Analysts

The analyses were supervised or determined by either Mr. Eddie Tang, and, the laboratory staff.

Eddie Tang

VANGEOCHEM LAB LIMITED



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REPORT NUMBER: 871259 6A	JOB NUMBER: 871259	PANICON DEVELOPMENT LTD.	PAGE	1	OF	1
SAMPLE •	Au					
	opb					
17.77	11174					
16476	14430					
16477	100					
16478	nd					
16479	nd					
SE HM 1	nd					
SE HM 2	30					



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REPORT NUMBER: 871259 AA

JOB NUMBER: 871259

PAMICON DEVELOPMENT LTD.

PAGE 1 OF 1

SAMPLE #

Au

oz/st

16476

.449

DETECTION LIMIT
1 Troy oz/short ton = 34.28 ppm

.005 1 ppm = 0.0001%

parts per million

a loss than

signed:



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

REPORT NUMBER: 871480 GA

JOB NUMBER: 871480

PANICON DEVELOPMENT LTD.

PAGE 1 OF 1

SAMPLE #

Au

SEC HM-3

ppb

nd

MAIN OFFICE: 1521 PEMBERTON AVE. N. VANCOUVER B.C. V7P 2S3 PH: (604)986-5211 TELEX:04-35257B BRANCH OFFICE: 1630 PANDDRA ST. VANCOUVER B.C. V5L 1L6 PH: (604)251-5656

# ICAP GEOCHEMICAL ANALYSIS

A .5 SPAP SAPPLE IS DISESTED WITH 5 N. OF 0:1:2 NO. TO MNOS TO M20 AT 95 DEG. C FOR 90 MINUTES AND IS DILUTED ?T TO M. WITH WARFE. THIS LEACH IS PARTIAL FOR SM. MM. FF. CA.P. CR. PA. PA. NA. P. AND SR. AU AND PO DETECTION IS 3 PPM.

IS= INSTRICTED AND LE, NOT DETECTED, HE NOT ANALYZED

COMPANY: PAMICON ATTENTION: PROJECT: SECRETERIAT

REPORT#: 871259 BB JOB#: 871259

1NVOICE#: 871259NA

DATE RECEIVED: 87/09/04 DATE COMPLETED: 87/09/23 COPY SENT TO:

ANALYST W Feeler

PAGE 1 OF 1

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15476	22.2	.n	18	4	21	4	. 06	46.1	2	109	47	1.08	. 62	.08	125	5	. 82	7		8875	hD.	a B	". 3	 Kii	; ;	uš NŠ	NA.	21.65
16477 16476 16479	5.1 .1 .1	.54 .64 .36	16 !! !!	MB MB MB	20 27 23																						-	2388 88 51
軽物:1 気明:2	.1 .1	2.50 3.02	1	£3	277 246	4	1.34 1.92	.1 .1	15 16	47 71	68 62	3.75	.16	1.56	745 797	j ND I	.11 .10	38 31	.15	/3 6	AD UM	#D	RD RS	ND KD	27 62	3 K\$	4	51 18 78
DETECTION LINES		.01	1	1	t															1								

MAIN OFFICE: 1521 PEMBERTON AVE. N. VANCOUVER B.C. V7P 293 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 HMO3 TO H20 AT 95 DEG. C FOR 90 MINUTES AND IS DILUTED TO 10 HL WITH WATER. THIS LEACH IS PARTIAL FOR SM, MM, FE, CA, P, CR, MB, BA, PD, AL, NA, K, W, PT AND SR. AU AND PD DETECTION IS 3 PPM.

IS= INSUFFICIENT SAMPLE, MD= MOT DETECTED, -= MOT AMALYZED

COMPANY: PAMICON ATTENTION: PROJECT: SECT REPORT#: 871480PA JOB#: 871480 INVOICE#: 871480NA DATE RECEIVED: 87/10/07 DATE COMPLETED: 87/10/14 COPY SENT TO:

ANALYST W. PLEURS

PAGE 1 OF 1

...

REPORT	NUMBER:	871589	GA	JOB	NUMBER:	871589	PANICON	DEVELOPMEN	IT LTD.		PAGE	1	OF	1
SAMPLE	•			Au										
				ppb										
16480				5										
16481				nd										
16482				45										
16483				20										
16484				21180										
16485				30										
16486				10										
16487				200										
16488				nd										
16489				nd										
16490				100										
16491				15										
16492				20										
16493				15										
16494				20										
16495				30										
16496				15										
16497				75										



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: 971589 AA

JOB NUMBER: 871589

PAMICON DEVELOPMENT LTD.

PAGE 1 OF 1

SAMPLE #

ALL oz/st

16484

.532

DETECTION LIMIT 1 Troy oz/short ton = 34.28 pps

.005 1 ppm = 0.0001

= parts per million

signed:

, AMULOC, LEW! , AB! . IMILE!

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 S ML OF 3:1:2 HCL TO MNO3 TO H20 AT 95 DEG. C FOR 90 MINUTES AND IS DILUTED TO NO ML WITH WATER.
THIS LEACH IS PARTIAL FOR SW, MM, FE, CA, P, CR, MB, PD, AL, MA, K, W, PT AND SR. ALL AND 9D DETECTION IS 3 PPM.
IS= INSUFFICIENT SAMPLE, ND= NOT DETECTED, -= NOT AMALYZED

COMPANY: PAMICON

,

ATTENTION: STEVE TODORUK PROJECT: SECT

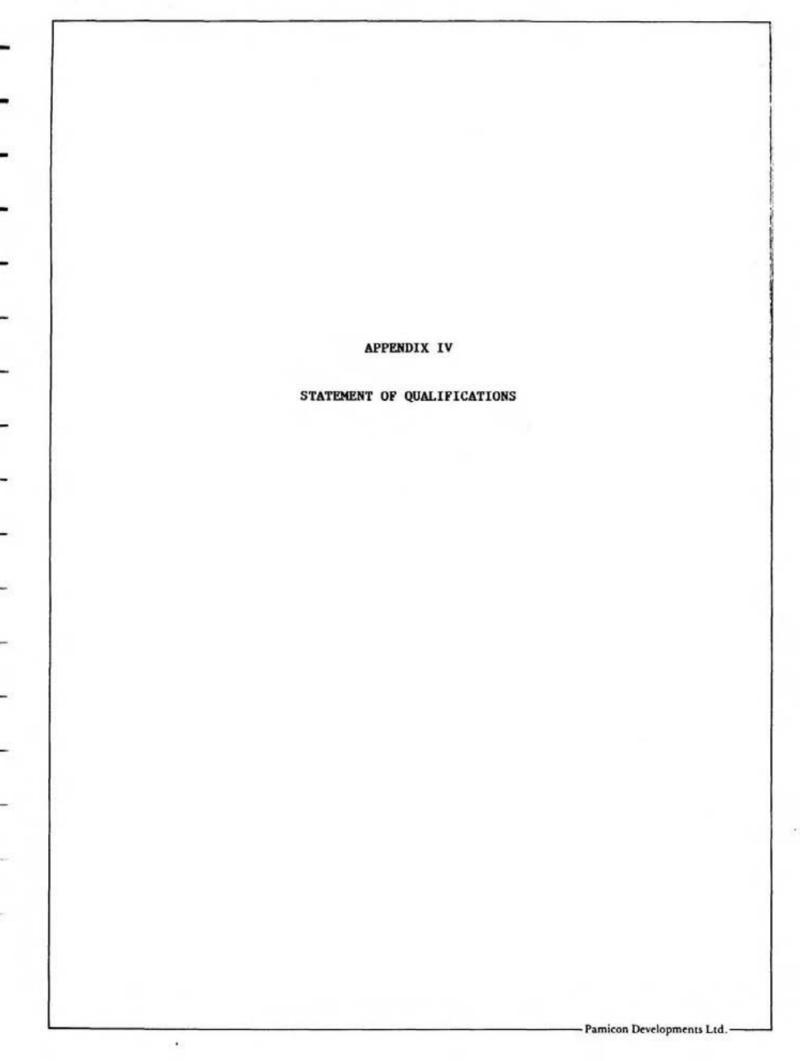
REPORT#: 871589PA

JOB#: 871589 INVOICE#: 871589NA DATE RECEIVED: 87/10/20 DATE COMPLETED: 87/10/26 COPY SENT TO:

WALYST W KOUS

PAGE 1 OF 1

SAMPLE MARE	AG PPN	AL I	AS PPM	AU PPK	BA PP#	BI PPR	CA 1	CO PPM	CO PPM	CR PPM	CU PPN	FE I	K I	#6 1	MM PPM	MO PPM	MA I	#E PP#	P	PB PPM	PD <b>PP#</b>	PT P <b>Pm</b>	SB PP#	SN PPH	SR PPM	U PPM	₩ PPM	ZN Pph
16480	.9	.21	ND	ND	57	HD.	. 49	a	3	97	25	.65	. 04	.17	161	мD	.01	6	.01	38	¥0	Øk	ÁÐ	1	30	ND	MO	11
16481	.2	.45	ИD	ND	13	NΩ	3.77	.1	2	88	27	1.73	, 07	.17	477	ND.	.03	Ä	.01	14	NO	ND	NO	ND	340	ND	MD	23 21
16482	.8	. 39	ЖĎ	MD	12	4	.20	.3	4	114	31	1.01	.04	.23	145	1	.01	š	.31	20	1.3	ND	ND	ЖĎ	9	MD	NC	19
16483	.9	.18	ND	ND	ίI	NO	. 52	.1	3	136	31	.76	.05	.06	105	NĐ	.01	13	.01	19	ND	ND	ND	MÍ	26	ND	NĐ	17
16484	8.1	.09	15	XD	8	N.D	.03	26.2	2	122	60	.65	. 65	.04	74	1	.52	6	.01	3079	ND	ND	8	ЖD	4	MO	NO	1101
16485	1.2	.81	10	NĐ	55	MD	2.62	.1	13	96	273	5.04	. 10	.65	553		. 13	38	.01	58	ND	ND	NĐ	ND	387	ND	21	45
t6486		. 24	MD	RD.	66	NO	5.79	.1	9	63	106	3,00	.08	.32	693	MO.	.08	22	.01	28	ND	ND	NĐ Đ	MD.	629	MD	3t 7	45
16487	.5	.66	NO	ND	39	MD	3,56	.1	14	40	259	2.28	.08	.39	590	5	.06	18	.09	27	NB	KD.	MĐ					26
16488	. 9	.30	MD	MO	40	NI	.78	.3	3	50	106	.96	.05	.14	467	MD	.01	10	.01	39	N.D	ND	MĐ Đ	MD Ok	71 40	ND		46
16489	1.5	.27	7	ND	21	HD	66	.1	42	74	299	B. 12	.09	.15	247	M#	.18	152					Ma			3	ND	28
				~•	••		100	•••	74	14	2,,	0.11	.07	.13	477	·	.15	132	.04	19	ND	ΝD	ь	ND	29	NB	ΜĐ	9
16490	.1	.21	NI	NO	19	ND	3.41	.1	9	33	40	4.05	.08	1.49	889	NÐ	.16	ŁÓ	.10	14	NĐ	ND	NĐ	NĐ	276	NO	NO	74
16491	į,	1.13	MB	KD:	27	#D	11.93		7	24	45	2,90	.06	.78	1292	МÞ	.07	16	.05	35	#D	#D	HD.	MD	514	ND	HD	24
16492	.1	.21	NÐ	ND	14	ND	5.70	.1	3	70	26	.86	.06	.27	900	ND	.02	5	.04	13	ND	WD	MD	ND	490	ND	ND	15
16493	.7	.90	ND.	N.D	95	MÐ	1.32	.1	11	115	109	2.6B	.07	.50	350	3	.05	32	.06	15	KD	NĐ	ND	x)	63	30	MD	25
15494	.3	. 58	ND	NĎ	53	80	2.74	.1	6	91	45	1.64	.08	.35	468	2	.04	22	.03	40	ND	MD	MD	NB	175	ND	NB	18
16495	1.4	1.18	NI	ND	132	ND	. 56	.1	9	100	580	2.68	.08	. 36	216	3	.03		. 10	18	ND	NÐ	NĐ	1	48	啦	M.R.	22
16496	.9	. 56	6	ΧĎ	41	ND	.24	.1	á	99	59	1.19	.06	.27	342	ИĎ	.01	- 1	.02	31	MD	MD	MD	- 1	2	Į4	ND ND	23 34
16497	.8	.16	ND	ND	12	MB	.17	.4	1	56	41	.40	.04	.01	102	MD	.01	2	.01	26	ND	ND	ND	ND	6	14	MD	34 6
DETECTION LINET	.1	,ó,	3	3	ı	3	.01	.1	i	ı	1	.01	.01	.01	ı	1	.01	l	.01	2	3	5	2	2	1	5	3	ı



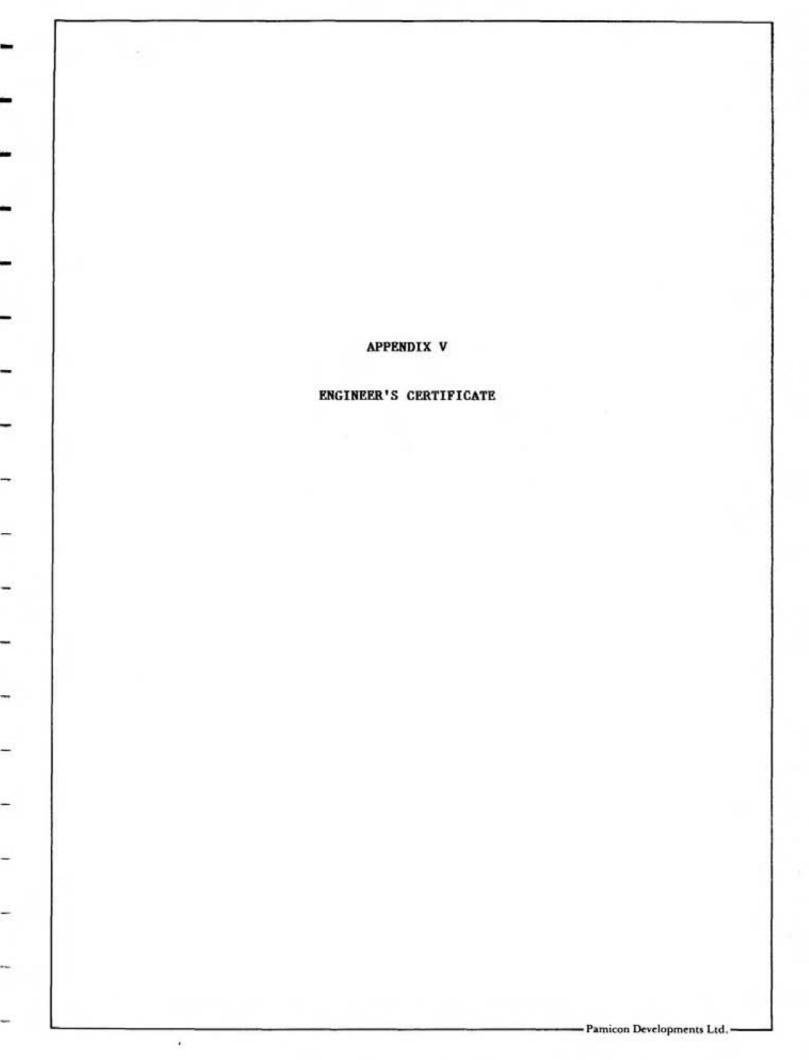
### STATEMENT OF QUALIFICATIONS

I, STEVE L. TODORUK, of Suite 129, 7451 Minoru Boulevard, Richmond, in the Province of British Columbia, DO HEREBY CERTIFY:

- THAT I am a Geologist in the employment of Pamicon Developments Limited, with offices at Suite 711, 675 West Hastings Street, Vancouver, British Columbia.
- THAT I am a graduate of the University of British Columbia with a Bachelor of Science Degree in Geology.
- 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.
- THAT this report is based on data generated by myself, under the direction of Charles K. Ikona, Professional Engineer.
- 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.
- THAT I hereby grant permission to Zara Gold Syndicate for the use of this report in any prospectus or other documentation required by any regulatory authority.

DATED at Vancouver, B.C., this 7 day of April . 1988.

Steve L. Todoruk, Geologist



#### ENGINEER'S CERTIFICATE

- I, CHARLES K. IKONA, of 5 Cowley Court, Port Moody, in the Province of British Columbia, DO HEREBY CERTIFY:
- THAT I am a Consulting Mining Engineer with offices at Suite 711, 675
   West Hastings Street, Vancouver, British Columbia.
- THAT I am a graduate of the University of British Columbia with a degree in Mining Engineering.
- THAT I am a member in good standing of the Association of Professional Engineers of the Province of British Columbia.
- THAT this report is based on work conducted on the property under my direction.
- 5. THAT I have no interest in the property described herein, nor in securities of any company associated with the property, nor do I expect to acquire any such interest.
- 6. THAT I consent to the use by Zara Gold Syndicate 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 2 day of Apr. / , 1988.

Charles K. Ikona, P.Eng.