



MOUNTAINEER MINES LTD. - PAN OCEAN OIL LTD.

JOINT VENTURE

GEOLOGICAL AND GEOCHEMICAL REPORT

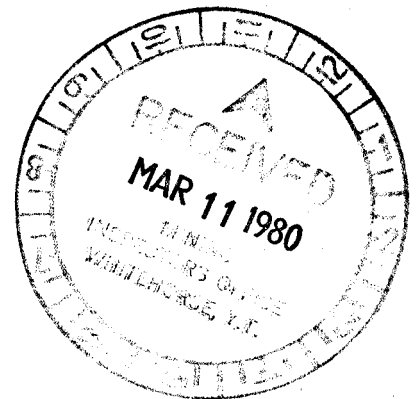
ON THE

URSUS 1-24 MINERAL CLAIMS

N.T.S. 106-D-16

64°55'N 134°15'W

YUKON TERRITORY



by

D. A. Yeager - Geologist

C. K. Ikona - P.Eng.

January, 1980

090590

This report has been examined by the Geological Evaluation Unit and is recommended to the Commissioner to be considered as representation work in the amount of

\$ 2,400.00

J. A. Morris

Resident Geologist or  
Resident Mining Engineer

Considered as representation work under  
Section 53 (4) Yukon Quartz Mining Act.

B. R. BAXTER  
Supervising Mining Recorder

Commissioner of Yukon Territory

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## 1.0 INTRODUCTION

The URSUS 1-24 mineral claims were staked on August 26, 1976 by Harman Management Ltd. to cover uranium and copper showings discovered by prospectors Doug Fulcher and Ward Harrison during a regional prospecting program carried out for Mountaineer Mines Ltd. A brief investigation of the property was conducted by Harman Management Ltd. subsequent to staking the ground. Pan Ocean Oil Ltd. of Calgary acquired majority interest in the claims in the fall of 1976.

From July 22, 1979 to September 10, 1979 a geochemical sampling program was carried out on the property by Pamicon Developments Ltd.

## 2.0 LIST OF CLAIMS

<u>CLAIM NAME</u>	<u>STAKING DATE</u>	<u>RECORDING DATE</u>	<u>GRANT NO.</u>
URSUS 1-24	August 26/76	September 16/76	YA6875-6890 inclusive YA6997-7004 inclusive

Claim posts examined by the author appear to conform with the Yukon Quartz Mining Act regulations.

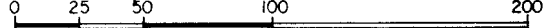
## 3.0 LOCATION AND ACCESS

The URSUS claims are located on N.T.S. sheet 106-D-16 approximately 100 miles north-northeast of Mayo, Y.T. The property lies 15 miles south-southeast of Quartet Lakes, 14 miles north west of Gillespie Lake and 6 miles north of

# YUKON LOCATION MAP

## URSUS GROUP

SCALE IN MILES

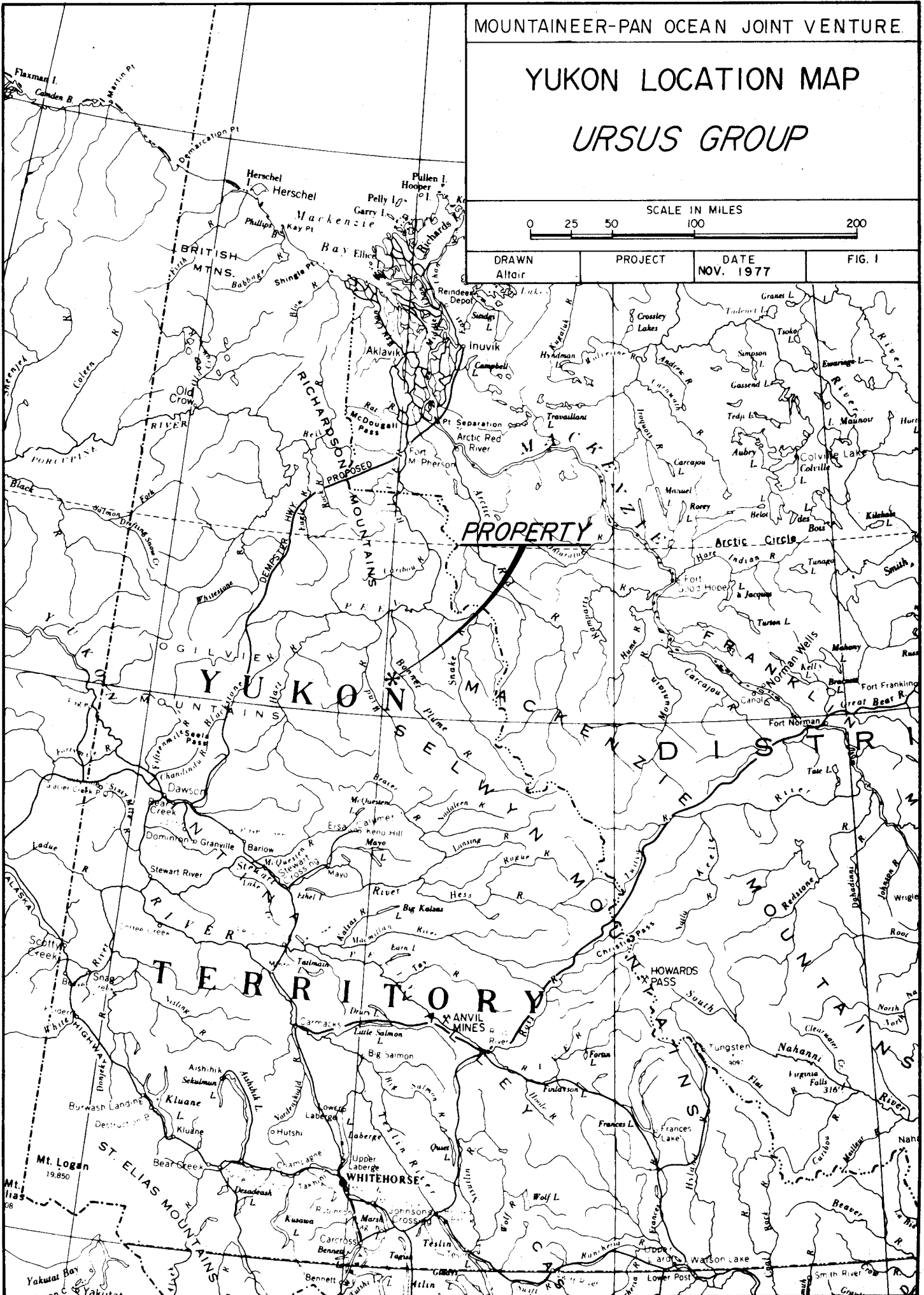


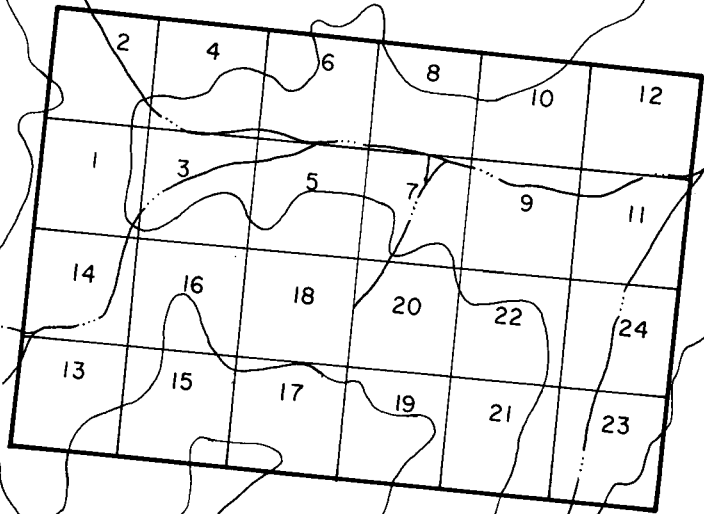
DRAWN  
Altair

PROJECT

DATE  
NOV. 1977

FIG. 1





MOUNTAINEER-PAN OCEAN JOINT VENTURE			
<b>URSUS CLAIMS</b> <b>CLAIM LOCATION MAP</b> QUARTET LAKES AREA YUKON TERRITORY			
SCALE IN MILES			
1/2	1/4	0	1/2
DRAWN Altair	PROJECT	DATE NOV. 1977	FIG. 2

the Bear River airstrip at approximately 64°55'N. latitude and 134°15'W. longitude.

Access to the property is by float equipped, fixed wing aircraft from Mayo to either Gillespie Lake or Quartet Lakes. Wheeled aircraft may use the serviceable Bear River airstrip. Helicopter transport from any of the three fixed wing landing locations is required to reach the property. Both helicopter and fixed wing aircraft as well as full expediting services are available in Mayo.

#### 4.0 TOPOGRAPHY AND VEGETATION

Elevations on the property range from 3,400 feet to 6,200 feet A.S.L. and topography is rugged over most parts of the area. Bedrock exposure on the claim group is approximately 50% due to talus and overburden cover at the lower elevations. Outcrop is found mainly along ridge lines and eroded stream banks. The entire claim group lies above tree line so vegetation consists of low grasses and moss. There are some willow thickets in the larger stream beds.

#### 5.0 REGIONAL GEOLOGY

The Quartet-Fairchild region lies in the Wernecke Mountains of the north eastern Yukon Territory. In the general area, the Werneckes consist of local ranges which include the Rackla Range, Bonnet Plume Range and Knorr Range. Topography is normally moderate to rugged with

elevations ranging from 2,000 to 6,500 feet. The major river valleys are broad, timbered and extensively overburden covered, while most mountain slopes present greater than 60% outcrop above the 4,000 foot level.

The entire area has been mapped by the Geological Survey of Canada and three separate publications are presented. The following memoir and open file reports give 1" = 4 miles geological coverage of the Nash Creek, Nadaleen River, Wind River and Snake River map areas.

- (1) Geology of Nash Creek, Larsen Creek and Dawson Map-Area, Yukon Territory by L.H. Green 1972 (Memoir 364).
- (2) Open File 205 (Geology of Nadaleen River and Bonnet Plume Lake Map sheets by S. Blusson) 1975.
- (3) Open File 279 (Geology of Snake River and Wind River sheets by D.K. Norris) 1975.

In the Quartet-Fairchild-Gillespie Lakes region Helikian rocks are exposed over an area of some 1,500 sq. miles in a roughly circular fashion centered near Longitude 134°00W and Latitude 65°00'N.

These rocks have been described as Units 1 & 2 by L. Green on the Nash Creek Sheet.

Recent G.S.C. stratigraphic work by Bell and Delaney (1976) has redesignated Units 1a, 1 and 2 (Green 1972) as Units A, B, and C respectively. The unit designations as established by Bell and Delaney will be used in this report.

Unit A, whose base is not exposed, is composed of a thick succession of moderately metamorphosed fine grained

clastic sediments with interbedded carbonates. The overlying Unit B consists of thinly interbedded slates and argillites with occasional quartzite beds.

Unit C, which conformably overlies the uppermost slate-quartzite section of Unit B, consists mainly of thickly bedded orange weathering dolomites. The base of the unit is marked by a series of transitional beds of alternating buff weathering dolomites and interbedded slates and quartzites.

Erratically distributed throughout the Proterozoic metasediments are irregularly shaped breccia bodes. The breccia zones vary from tens of feet to several thousand feet in size and appear as cross cutting pipe-like features at all levels in the stratigraphic column. Several varieties exist, but all exhibit an assortment of angular clasts derived from rock types common to the area. Hornfels margins observed at several localities indicate an intrusive origin.

A common association with many of the breccia bodes are zones of veining or locally pervasive feldspar alteration seen as internal features within the breccias or in host rocks adjacent to them.

The alteration zones are pink in colour due to either K-spar or strong hematization and in some instances contain varying amounts of specularite, chalcopyrite and minor uranium mineralization.

#### 5.1 Structure

Two major periods of deformation have taken place within the Wernecke Mountain region. During the first period or

Racklan Orogeny, the Proterozoic rocks of Units A, B, and C underwent intense folding and faulting. Folds are tight to isoclinal with the development of strong axial plane cleavage and commonly an almost vertical foliation.

A major unconformity of Lower Hadrynian age forms the upper contact of Unit C. In many localities, erosion beneath this unconformity has resulted in the complete removal of Unit C and the strong angular relationship between the relatively flat lying Cambrian and younger rocks directly overlying Units A and B is apparent.

Further unconformities near the Upper Hadrynian, Lower Cambrian and Upper Cambrian margins leave Devonian carbonates directly over the Helikian section.

The second period of deformation, which involves both Paleozoic and Proterozoic strata, is weak compared to the first. This is particularly evident in the younger Carbonate sections to the west and southwest where deformation consists mainly of broad open folding and minor overthrusting.

## 6.0 PROPERTY GEOLOGY

### 6.1 Introduction

Preliminary mapping of the URSUS claims was carried out at a scale of 1 inch to 1,000 feet (see Fig. 3 this report). Assay samples were taken from any zones of mineralization encountered and locations and results are presented in Fig. 3 and Table 6.4.1 respectively. The property is underlain entirely by Units A and C. Faulting is very common

in the area and breccia intrusion with resultant folding, shearing and metasomatism was noted in many localities. Uranium and copper mineralization were found mainly in the breccias and their related alteration zones.

## 6.2 Lithology

The lowest rocks exposed on the claim group, Unit 1, are composed of thin to medium bedded, variably limonitic, grey-green siltstone. This unit is only exposed in the main creek cut that runs through the western portion of the property then bends and runs across the northern part of the claims. The unit in places has phyllitic partings and exhibits gradational contacts with the phyllites in the area.

Unit 2 is made up of a number of smaller sub-units of dark green siltstones, mudstones, argillites and related transitional rock types. Bedding thicknesses range from laminar banding to several inches. Several mineralized breccia bodies occur within Unit 2.

Unit 3 is composed of grey-green phyllites. Original bedding features are sometimes preserved in the phyllites as compositional layering, however generally only phyllitic cleavages could be measured. The phyllites exhibited kink banding and cleavage plane crenulations; minerals mainly noted were chlorite and sericite.

Unit 4 consists of thinly interbedded light green and purple siltstones. The unit mainly occurs at higher elevations on the property, close to the contact with the overlying Unit C.

Clasts of Unit 4 rocks appear in a number of the breccia bodies at higher elevations.

Unit 5 is a dark brown to grey weathering, medium to thick bedded dolomitic siltstone. The unit was only observed near the contact with the Unit C orange weathering dolomites and was the major rock type in most of the breccias mapped in that area. Many large blocks (up to 300 feet) of the dolomitic siltstone were seen as breccia fragments. The unit is variably metasomatized, resulting in obliteration of bedding features, migration and flooding of dolomite, and occasionally dissemination of dolomite in tiny rhombohedral porphyroblasts throughout the rock.

The overlying Unit C dolomites are grey to orange weathering, thin to thick bedded, and contained occasional sections with shale interbeds.

A large number of intrusive breccia bodies outcrop within the claims boundary. They were noted to intrude all the lithologic types found on the property with the exception of the Unit C dolomites. They are made up of clasts derived from stratigraphically nearby rock types and in many cases resulted from nothing more than a shattering and re-orientation of material virtually in situ. It appeared that the breccia bodies having a greater variety of size and composition of clasts (hence greater transport distances?) were accompanied by more obvious indications of hydrothermal activity. These indications included chloritic and/or siliceous alteration haloes in the country

rock around the bodies as well as feldspathization, hematization, silicification, and dolomitization within and immediately adjacent to the bodies themselves. Copper and uranium mineralization were noted in several of the breccia bodies or in altered rocks contacted by the breccias.

### 6.3 Structure and Stratigraphy

As is commonly the case in areas of intense breccia emplacement, extreme structural deformation has occurred in the rocks within the URSUS claims. The folding is very complex. In many cases the folds can be seen to be the result of warping and dragging along fault surfaces, however they more commonly appear to be a chaotic style of deformation related to the breccia intrusions. This folding has resulted in extreme fracturing in many locations on the property with resultant quartz, feldspar, and dolomite veining and flooding. Minor fold axes in the Unit C dolomites on the other hand tend to parallel the strikes of beds within the unit and are therefore thought to be drag folds related to the underlying thrust fault.

The thrust fault bringing the Unit C dolomites in contact with the Unit A siltstones is the most predominant fault feature in the area and extends for many tens of miles in either direction from the property. The prevailing fault direction in the Unit A rocks is  $070^{\circ}$  to  $080^{\circ}$ , roughly parallel to the large regional fault. A large number of faults and shears with other orientations were noted during the mapping, the most important of which are plotted in Figure 3.

The portion of Unit A found on the claims is thought to be stratigraphically high in the section as the dolomitic siltstones of unit 5 resemble those which lie just beneath Unit B.

#### 6.4 Mineralization

A number of copper and uranium showings are located along a band of Unit 2 siltstones trending in an east-west direction through the central part of the property. The showings are associated with breccia bodies or their alteration haloes and mostly occur near the contact with the overlying Unit 3 phyllites. Assay results are presented in Table 6.4.1.

The East Showing is exposed on a talus covered knob near the middle of the eastern boundary of the property. Chalcopyrite and brannerite occur sporadically in a bleached metasiltstone bed within Unit 2. The bed has been significantly altered by silicification, feldspathization, and hematization to a white to pink weathering silicified siltstone resembling a quartzite in outcrop. The brannerite occurs along small shear zones and in associated fractures, as well as disseminated through the more heavily feldspathized parts of the siltstone bed. Disseminated chalcopyrite also occurs in the feldspathized uranium rich pods. Shattering has taken place along some of the shear zones in the area resulting in occasional breccia lenses in the siltstone. Chalcopyrite fills spaces in the breccia matrices up to several millimeters in size between breccia fragments

ranging from 2 m.m. to 15 m.m. in size. The mineralized pods were generally less than 5 feet by 5 feet in size and were spaced from 75 feet to 200 feet apart.

The Central Showing is located in the deeply incised cut of a northerly flowing stream crossing the central part of the property. This is approximately 2,400 feet west-northwest of the East Showing. Chalcopyrite was seen associated with quartz/feldspar flooding in an interlaminated siltstone/silty dolomite bed within Unit 2. The flooding has occurred along fractures and bedding planes and locally contains good grade copper mineralization. Immediately overlying the copper mineralized siltstone/silty dolomite bed, uranium mineralization occurs as fine grained brannerite particles in fracture controlled hematite stringers as well as discrete grains of brannerite up to 1 m.m. in size in and around a breccia body intruding a silicified siltstone. The mineralization is associated with quartz veining and feldspar flooding. Discrete grains of chalcopyrite up to 2 m.m. in size also occur in the feldspathized rocks. Pods of reddish brown barite up to 1 foot in size were noted in several localities in the breccia. The mineralized pods appeared to be in the order of 5 feet by 5 feet in size and were spaced approximately 150 feet apart.

Two other showings were sampled during the mapping: In the first, brannerite was found in a feldspathized zone at the edge of a breccia body approximately 2,000 feet west-northwest of the Central Showing. Three uraniferous pods, each

several square feet in size, were noted within a 20 foot by 20 foot alteration zone. In the second showing, chalcopyrite occurs in fractures in a breccia body as well as in the adjacent silicified siltstone. The mineralized zone was approximately 50 feet by 10 feet in size.

A number of other breccia related uranium and copper occurrences were noted during the mapping but were too limited in size and grade to warrant sampling.

Table 6.4.1. - Assays (1977)

<u>Sample No.</u>	<u>% U<sub>3</sub>O<sub>8</sub></u>	<u>Description</u>
62611	-	Assays 1.07% Cu. Selected grab sample from talus of better grade material. Source in grey-brown weathering siltstone breccia and in silicified siltstone.
62614	0.011	Continuous chip sample across 3 feet of bedding in outcrop of white, silicified siltstone. Rock heavily fractured, exhibits hematized alteration haloes. Sample from East Showing.
62615	0.036	Random grab sample from sub-outcrop across 2 foot mineralized pod in silicified siltstone breccia. Located approx. 2,000 feet WNW of Central Showing.
62616	0.003	Continuous chip sample from outcrop along 3 feet of 2 inch to 6 inch thick silicified, hematized zone in metasomatized, breccia flooded siltstone. Approx. 2,000 feet WNW of Central showing.
62617	0.002	Continuous chip sample from outcrop across 4 foot wide hematized pod in siltstone breccia. Approx. 2,000 feet WNW of Central Showing.

Table 6.4.1 Continued..

<u>Sample No.</u>	<u>% U<sub>3</sub>O<sub>8</sub></u>	<u>Description</u>
62618	0.008	Continuous chip sample across 4.5 feet of outcrop of silicified hematized siltstone. Entire hematized area is approx. 8 feet in size. From East Showing.
62619	0.024	Continuous chip sample from outcrop across 1 foot by 1 foot pod of limonitic silicified siltstone. Abundant chlorite, specular hematite in surrounding rocks. Approx. 40 feet from 62618. From East Showing.
62620	0.016	Random grab sample from 10 foot by 10 foot talus train of abundantly hematized silicified siltstone. Approx. 200 feet NW of 62619. From East Showing.
62621	0.046	Selected grab sample of better grade material from sporadically mineralized talus train approx. 5 feet by 150 feet in size. Specular hematite and brannerite noted in silicified siltstone. Approx. 100 feet NW of 62620. From East Showing.
62622	0.020	Grab sample from talus from 10 foot by 100 foot area of pink, silicified siltstone. Mineralization associated with approx. 6 inch wide. From East Showing.
62623	0.042	Selected grab sample of better grade material from lower end of same talus train as 62622. From East Showing.
62624	0.007	Grab sample from talus train of tan to pink, hematized, silicified siltstone at west end of Central Showing. Brannerite with specular hematite on fractures.

Table 6.4.1 Continued ..

<u>Sample No.</u>	<u>% U<sub>3</sub>O<sub>8</sub></u>	<u>Description</u>
62625	0.030	Grab sample from 40 foot long talus train at approx. mid-point of Central Showing. Siltstone has been progressively metasomatized, brecciated and specular hematite flooded.
62626	0.016	Grab sample from talus train of breccia boulders containing 6 inch wide dykelet of syenitic material. Rocks abundantly hematized. This from east end of Central Showing.
62627	0.212	Grab sample from mineralized pods in talus train of breccia boulders at extreme NE end of Central Showing. Visible brannerite in hematized pods.

## 7.0 GEOCHEMISTRY

The 1979 geochemical program in the URSUS area consisted of water sampling the northwestern drainages on the property to follow up encouraging values obtained in the 1978 program. Samples were taken at approximately 250 foot intervals from the main streams and any tributary streams depending on the availability of water in those tributaries. Sample locations and values are presented in Figure 4 of this report.

Twenty water samples were collected during the survey in numbered, acid cleansed, plastic sample bottles and sent for analysis to Chemex Labs Ltd. in North Vancouver, B.C. Upon receipt at Chemex, the samples were analysed for uranium using standard flourometric procedures.

Values ranged from 0.2 to 4.4 parts per billion uranium. Using the sample classification scheme presented in Figure 4, five samples fall within background levels and fifteen are first order anomalous. None of the samples taken are second order anomalous.

#### 8.0 DISCUSSION AND CONCLUSIONS

The 1979 program concentrated on detailed sampling in streams in the west and northwest portion of the property to follow up encouraging results obtained in those areas during the 1978 season. The new results indicate a sharp drop-off in values near the western edge of the property; especially in the stream entering from the northwest where uranium in water levels drop from 17.8 ppb (1978) to 2.0 ppb (1979) within approximately 1,500 feet. This tends to indicate a uranium source fairly close to the 17.8 ppb value and suggests the need for detailed prospecting in that area.

#### 9.0 RECOMMENDATIONS

1. Follow up prospecting should be carried out in the anomalous areas to locate sources for the anomalous geochemistry.
2. Geologic mapping and assay sampling should be undertaken on all mineralized showings discovered.

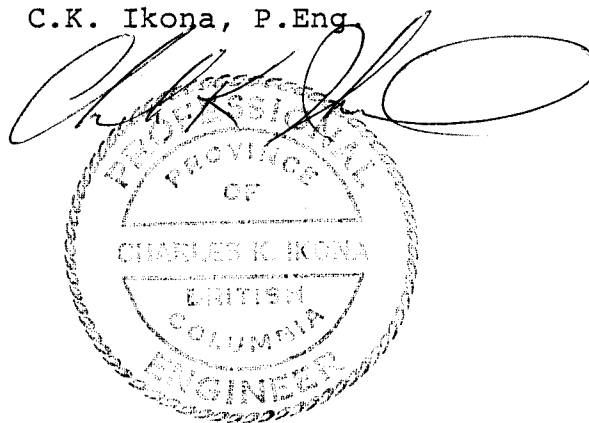
3. Hand trenching should be done on any showings warranting such additional work.

Respectfully submitted,

*David A. Yeager*

D. Yeager, Geologist

C.K. Ikona, P.Eng.

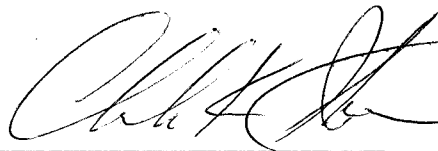


ENGINEERS CERTIFICATE

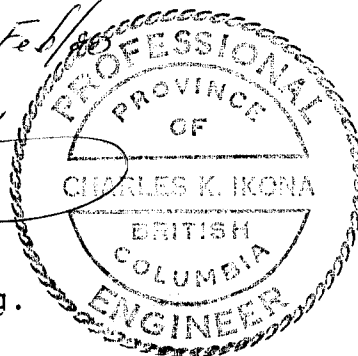
I, CHARLES K. IKONA, of 5 Cowley Court, Port Moody  
in the Province of British Columbia DO HEREBY CERTIFY  
that:

1. I am a Consulting Mining Engineer with offices at  
208-850 W. Hastings St., Vancouver, B.C.
2. I am a graduate of the University of British Columbia  
with a degree in Mining Engineering.
3. I am a member in good standing of the Association  
Of Professional Engineers of the Province of  
British Columbia.
4. The work reported heron was conducted during a  
program under my supervision and under the supervision  
of geologists with whom I have worked for a period  
of years and of whom I have every confidence in.

Dated this 28<sup>th</sup> day of Feb 1980



Charles K. Ikona, P. Eng.



LIST OF PERSONNEL  
URSUS 1-24  
MINERAL CLAIMS  
JUNE 14 - SEPTEMBER 14, 1979

B. Yorston R.R. #2 Duncan, B.C.	Geologist	June 14
B. Girling 3453 West 32nd Avenue Vancouver, B.C.	Prospector	September 14
T. Diamond 208, 850 West Hastings Street Vancouver, B.C.	Prospector	September 14
G. Garret 4516 Vegas Road N.W. Calgary, Alberta	Geologist	July 22, 23
G. McArther 111 Chelsea Street N.W. Calgary, Alberta	Geologist	July 22, 23
E. Louen 2424 - 34th Avenue N.W. Calgary, Alberta	Prospector	July 22, 23

CANADA ) In the matter of an evaluation program on the Ursus 1-24  
 ) Mineral Claims.  
 )  
 )

TO WIT ) On behalf of PAN OCEAN OIL LTD.

I, C. Ikona for Pamicon Developments Ltd., of 208, 850 West Hastings Street, Vancouver, B.C. do solemnly declare that a program consisting of geological mapping, geochemical surveying and prospecting was carried out on Ursus 1-24 Mineral Claims during the period June 14 - September 14, 1979.

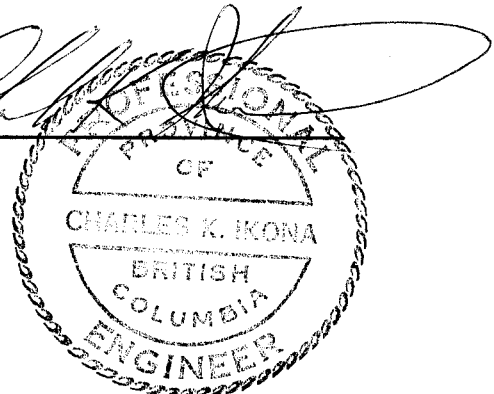
The following expenses were incurred during the course of this work and in the compilation and reporting of the results:

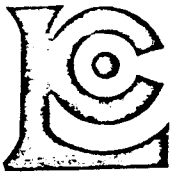
Equipment Rentals	\$ 33.60
Expendible Field Supplies	9.38
Office Supplies, Maps, Photos	4.94
Drafting and Reproduction	1.45
Equipment and Machinery	19.75
Supplies	18.21
Food	110.70
Expediting	27.00
Freight	9.03
Travel and Accommodation	27.80
Prepaid Expenses	.93
Sundry	-
Camp and Miscellaneous Fuels	231.20
Camp Fixed Wing Support	214.52
Overhead	-
Wages	547.34
Helicopter Support	1,024.00
Assaying and Geochemistry	100.00
Trenching	-
Contracting Fees	216.79
Report Preparation	300.00
Not Assigned	-
TOTAL	<u>\$2,896.64</u>

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

Declared before me at Vancouver in )  
the Province of British Columbia this )  
\_\_\_\_\_ day of \_\_\_\_\_, 1980 )

\_\_\_\_\_  
A Commissioner for Oaths for,  
or Notary Public for the \_\_\_\_\_





# CHEMEX LABS LTD.

212 BROOKSBANK AVE.  
 NORTH VANCOUVER, B.C.  
 CANADA V7J 2C1  
 TELEPHONE: ~~604-52597~~ 984-0221  
 AREA CODE: 604  
 TELEX: 043-52597

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

## CERTIFICATE OF ANALYSIS

TO: Pamicon Developments Ltd.,  
 208 - 850 W. Hastings Street,  
 Vancouver, B. C.  
 V6B 1B1

ATTN: C. C. Panocean Calgary

WATERS

CERTIFICATE NO. 50872

INVOICE NO. 33073

RECEIVED September 28, 1979

ANALYSED October 5, 1979

SAMPLE NO. :	PPB	
	U	
79 FDW 1	1.0	<i>1.0/1.0</i>
2	0.8	
3	0.4	
4	0.2	
5	0.4	
6	0.2	
7	1.0	
8	3.2	
9	4.6	
10	8.4	
11	8.8	
12	2.8	
13	2.4	
14	2.4	
15	1.4	
16	2.0	
17	2.0	
18	2.4	
19	2.2	
20	2.4	
21	2.4	
22	2.4	
23	0.4	
24	0.2	
25A	2.2	
25B	0.2	
26	0.2	
27	0.2	
28	no sample	
29	4.4	
30	3.4	
79 FDW ??	2.0	<i>1.0/1.0</i>
79 FGW 1	10.2	
2	1.0	
3	55	
4	4.0	
5	1.0	
6	0.6	
7	1.0	
8	2.8	



MEMBER  
 CANADIAN TESTING  
 ASSOCIATION

CERTIFIED BY: *J. F. [Signature]*



● 62611 Assay Sample Location  
 Cu Copper showing  
 U Uranium showing  
 3Δ Rock Geochemistry Sample Location

$20 \setminus / 75$  Bedding attitude: inclined, vertical, overturned  
 $6 \setminus$  Attitude of phyllitic cleavages  
 $\setminus 5$  Plunge of minor fold axes  
 $\setminus 60$  Fault, showing dip  
 Thrust fault, teeth on upper plate.  
 Geologic contact.  
 Outcrop limit.

UNIT C Orange weathering dolomites.

- UNIT A
- 5 Dolomitic siltstone
  - 4 Interbedded lightgreen & purple siltstone
  - 3 Grey-green phyllite.
  - 2 Darkgreen siltstone, mudstone & argillite.
  - 1 Greygreen siltstone.
  - Intrusive breccia.
  - Zone of silification.

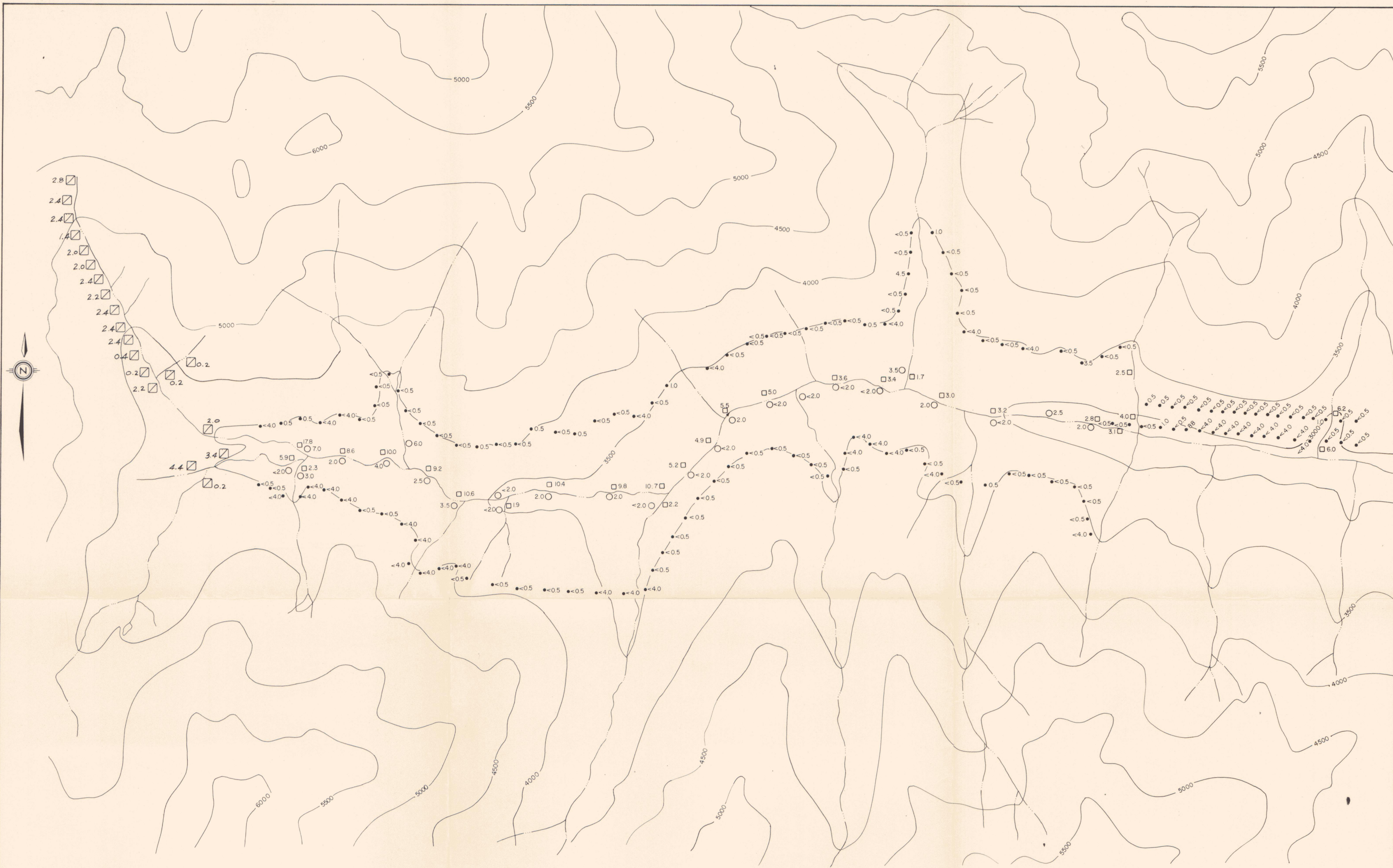
MOUNTAINEER-PAN OCEAN JOINT VENTURE

URSUS 1-24 CLAIM GROUP  
 NTS 106-D-16  
**GEOLOGY**  
 YUKON TERRITORY

0 500 1000 2000 3000  
 0 200 400 600 800  
 FEET  
 METRES

PAMICON DEVELOPMENTS LIMITED

DRAWN: Altair	PROJECT: Fairchild	DATE: JAN. 1979	FIGURE: 3
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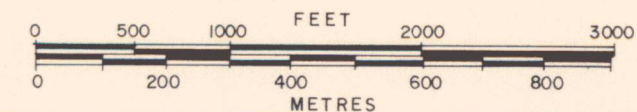


CLASSIFICATION OF GEOCHEMICAL SAMPLES

	SOILS ●	SILTS ○	WATER □	1978 □	1979 □
BACKGROUND	< 0.8 ppm	< 5 ppm	< 1.3 ppb		
1ST ORDER ANOMALOUS	0.8 - 3.3 ppm	5 - 35 ppm	1.3 - 9.0 ppb		
2ND ORDER ANOMALOUS	> 3.3 ppm	> 35 ppm	> 9.0 ppb		

MOUNTAINEER-PAN OCEAN JOINT VENTURE

URSUS I-24 CLAIM GROUP  
 NTS 106-D-16  
**URANIUM IN STREAMS & SOIL**  
 YUKON TERRITORY



PAMICON DEVELOPMENTS LIMITED

DRAWN: Altair	PROJECT: Fairchild	DATE: JAN. 1979	FIGURE: 4
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