

MOUNTAINEER MINES LTD. - PAN OCEAN OIL LTD.

JOINT VENTURE

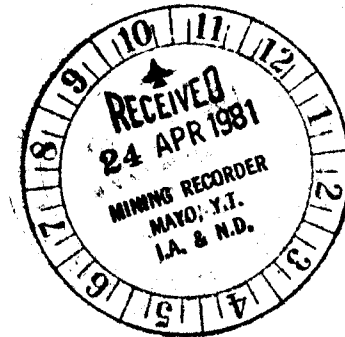
ASSESSMENT REPORT

ON THE ARCTOS 1-16 MINERAL CLAIMS

NTS 106~~0~~/16

63°53'N 133°20'W

YUKON TERRITORY



Report Date:
February, 1981
Report No. 9-81

D. L. Dick
D. B. Harmeson
PAN OCEAN OIL LTD.
Calgary, Alberta

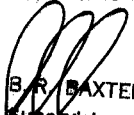
090821

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

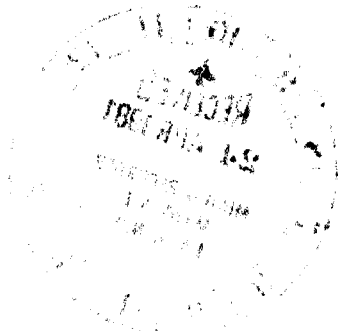
\$ 1,729.00

R. Dubicki A. Roy Gird
Resident Geologist or June 1/81
Resident Mining Engineer

Considered as representation work under Section 50 of Yukon Quartz Mining Act.


B. R. BAXTER
Supervising Mining Recorder

Commissioner of Yukon Territory



FROM: Mining Recorder at Mayo

TO: Supervising Mining Recorder at Whitehorse, Y.T.



FOR ACTION ARE:

NEW APPL'N for PLACER LEASE to PROSPECT: Name:

Lease No.

RENEWAL APPL'N PLACER LEASE to PROSPECT: Name:

Lease No.

AFFIDAVIT of EXPENDITURE on PLACER LEASE. Name:

ASSIGNMENT of PLACER LEASE No.

From: To:

GROUPING APPL'N UNDER SEC. 52(2) PLACER MINING ACT.

Owner:

DIAMOND DRILL LOGS:

Claims: Claim sheet no:

QUARTZ ASSESSMENT REPORT:

Claims: ARCTOS 1-16

Claim sheet no. 106.C-14

Type of report:

Submitted by: PAN OCEAN OIL LTD

G. C. TREWING

Cls. work performed on:

\$ Req. for ren. application

ARCTOS 4

\$1729

[Signature]
Signature

REPLY ACTION:

Date Ret.

Signature

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B-1218	Arctos Trench No. 3	in back pocket

1.0 INTRODUCTION

The Arctos 1-16 mineral claims were staked on September 15, 1976 by the Pan Ocean Oil Ltd.-Mountaineer Mines Ltd. joint venture to cover favourable geologic targets within the Quartet/Fairchild mineral belt.

During the period of August 1980, a trenching program was performed by McCrory Holdings (Yukon) Ltd. personnel under the field supervision of D. L. Dick

2.0 LIST OF CLAIMS

<u>Claim Name</u>	<u>Staking Date</u>	<u>Recording Date</u>	<u>Grant No.</u>
Arctos 1-16	Sept. 15/76	Sept. 15/76	YA7144-YA7159 inclusive

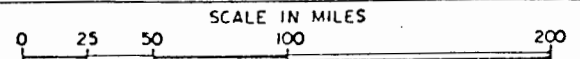
3.0 LOCATION AND ACCESS

The Arctos 1-16 claims are located on NTS sheet 106D/16, approximately 188 km northeast of the community of Mayo, Yukon. The approximate coordinates of the claim group are 64°56'N latitude, 134°21'W longitude.

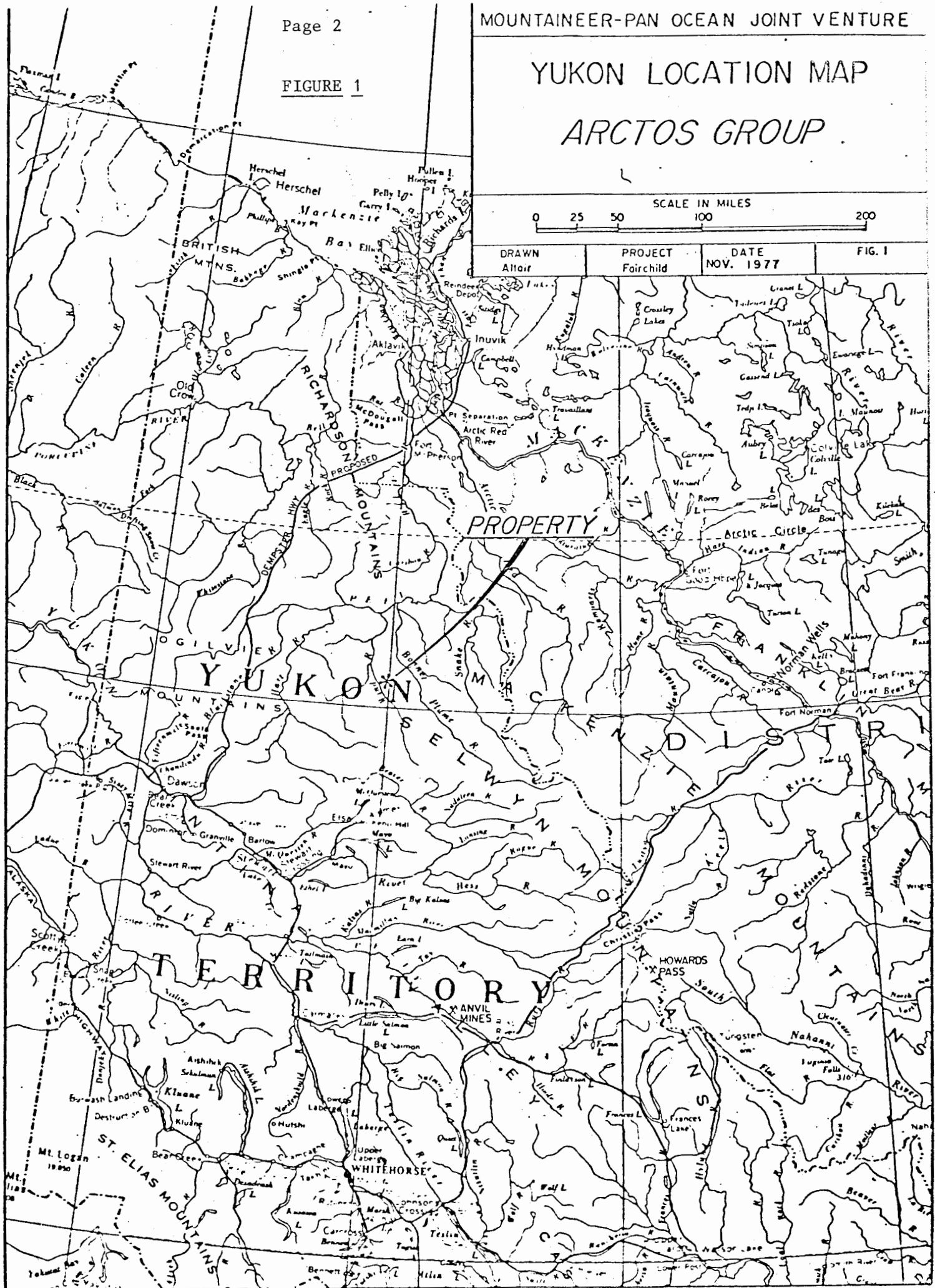
Access to the property is by both fixed-wing aircraft and helicopter; full expediting services are available in Mayo. A winter road exists from Elso to Dolores Creek and Fairchild Lake via Braine Pass.

FIGURE 1

YUKON LOCATION MAP ARCTOS GROUP



DRAWN Altair	PROJECT Fairchild	DATE NOV. 1977	FIG. I
-----------------	----------------------	-------------------	--------



134° 21'
W. long



64° 56'
N. lat



MOUNTAINEER-PAN OCEAN JOINT VENTURE

ARCTOS CLAIMS
CLAIM LOCATION MAP
QUARTET LAKES AREA
YUKON TERRITORY



DRAWN Altair	PROJECT Fairchild	DATE	FIG. 2
-----------------	----------------------	------	--------

4.0 TOPOGRAPHY AND VEGETATION

The Quartet-Fairchild region lies in the Wernecke Mountains of the northeastern Yukon Territory. In the general area, the Werneckes consist of local ranges which include the Racklan Range, Bonnet Plume Range and Knorr Range. Elevation within the area of investigation ranges from 610 to 1,980 m (3,000 to 6,500 ft.) A.S.L., where topography is extreme in most cases.

The major river valleys are broad, timbered and extensively overburden covered, while most mountain slopes present greater than 60% outcrop above the 1,220 m (4,000 ft.) level.

The vegetation throughout the immediate region is composed largely of black spruce and willow thickets at low elevations which give way to dwarf birch, grasses and moss above the 910 m level.

5.0 REGIONAL GEOLOGY

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°00'W and latitude 65°00'N.

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

Recent GSC 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.

The area of immediate economic interest lies on the northern half of the Helikian assemblage along a sinuous linear approximately 45 km long and 15 km wide, following the Kiwi Lake, and Bonnet Plume River drainage system.

About this linear, a window of upper Lower Proterozoic rocks is exposed. Extensive exposures of the basement forming succession of moderately metamorphosed and structurally complex fine grained clastic sediments with interbedded carbonates forming Unit A (Fairchild Group) are overlain by the shale-slate-quartzite sequence of Unit B (Quartet Group).

To the south and southwest, Units B and C (Gillespie Group) outcrop within a lobe approximately 20 km wide by 30 km long with faulted fingers trailing out to the west.

Unit C comprises a sequence of thickly bedded orange weathering dolomites having a basal sequence of transitional beds of alternating buff weathering dolomites and intercalated slates and quartzites.

The conformable relationships within the supergroup are complicated by local uplift and subsidence and by the division of the assemblage into two main blocks as described above. Units A and B are conformable to a high degree north of the Unit B-Unit C contact and Unit B and C are relatively conformable south of this contact. An overturned block of Fairchild Group occurs south of Fairchild Lake.

The Helikian assemblage is regionally bounded by the following unconformable units:

1. To the east a unit of undivided clastics and carbonates of Hadrynian age overlie Unit C.
2. To the south and west, carbonates of Ordovician-Devonian age overlie Units B and C.
3. To the north, the Hadrynian sediments directly overlie Unit B.

4. In the upper west region undivided clastics and carbonates of Cambrian age directly overlies Units A and B and in turn are unconformably overlain by Ordovician-Devonian carbonates.
5. To the north and west, Tertiary and Cretaceous strata of the Bonnet Plume Basin abound.

Throughout the Helikian section, local zones of brecciation occur. The presence of contact metamorphic effects along the margins, the common occurrence of country rock clast development, and the apparent transitional gradation of brecciation suggest a structurally controlled diatreme igneous event.

Locally, the breccia zones are of erratic distribution and of variable dimension, but overall appear to occur along two arcuate trends north and south of the central sinuous linear in close proximity to or within Unit A. Occasional outcrops of breccia occur north and south of these trends within Units B and C.

Alteration zones exhibiting moderate to intense K-feldspar and/or hematite alteration are common. The intensely hematized breccias have a purplish scintered appearance, whereas the intensely feldspathized breccias have a buff to pink coarse igneous appearance.

Within, immediately adjacent to and following regional trends, fracture controlled occurrences of metallogenically complex sulphide, arsenide, hozone, carbonate, and oxide mineralization of

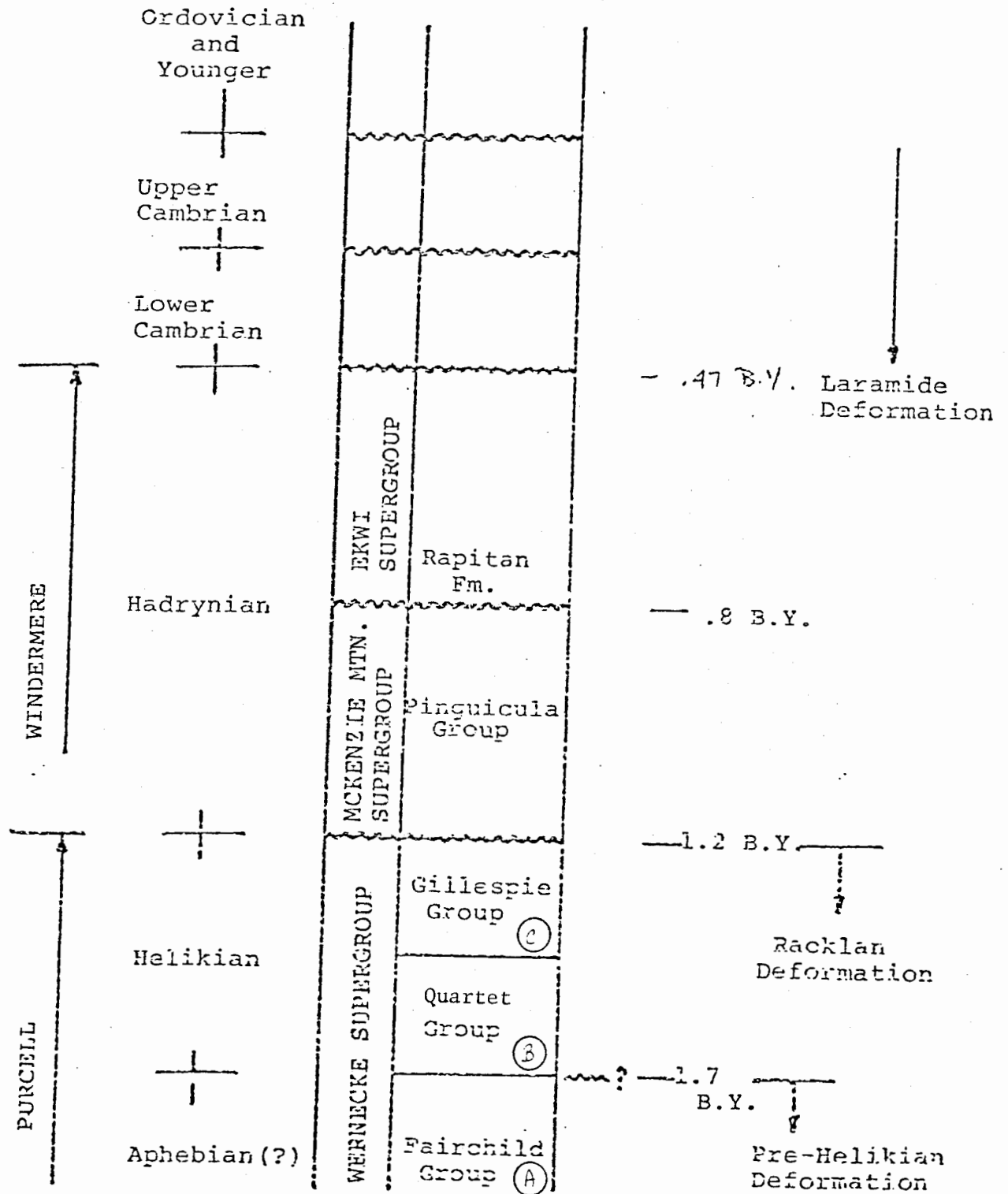
variable intensity occur in relation to the breccia zones. The mineralization includes elements of copper, lead, zinc, gold, silver, tungsten, molybdenum, iron, tin and manganese.

Complex metamorphic regimes involving regional, dynamic, thermal, contact and metasomatic processes are locally imprinted on each other in varying degrees, resulting in widely different alteration and metallogenic effects.

Intrusive activity involving diabase-diorite dyke development is present within the Helikian section. The diabase-diorite relationship appears to be transitional. Metasomatic alteration in one locality suggests that this development is either earlier or contemporaneous with the regional diatreme event. The location and local metasomatic effects of these dykes is still only sketchy and it may be that there is more than one generation.

At least two major periods of deformation have affected the region. The pre-Hadrynian Racklan deformation moderately deformed the Helikian assemblage resulting in steep to isoclinal folding within the development of axial plane cleavage. A more recent deformation, the Laramide, has resulted in broad gentle folding. Block movement and local thrusting is indicated for both orogenies and a number of minor movements may have taken place. The basement forming Fairchild Group exhibits the most intense deformation, and this may be related to an earlier Aphebian event.

IDEALIZED SECTION SHOWING REGIONAL CORRELATIONS & STRUCTURAL HISTORY



6.0 LOCAL GEOLOGY

The area was mapped in detail for assessment purposes by the geologists of Pamicon Developments Ltd. in 1977, as part of the Pan Ocean-Mountaineer joint venture.

You are referred to this report for a review of the general geological features of this claim block. The following is a brief summary of this exercise.

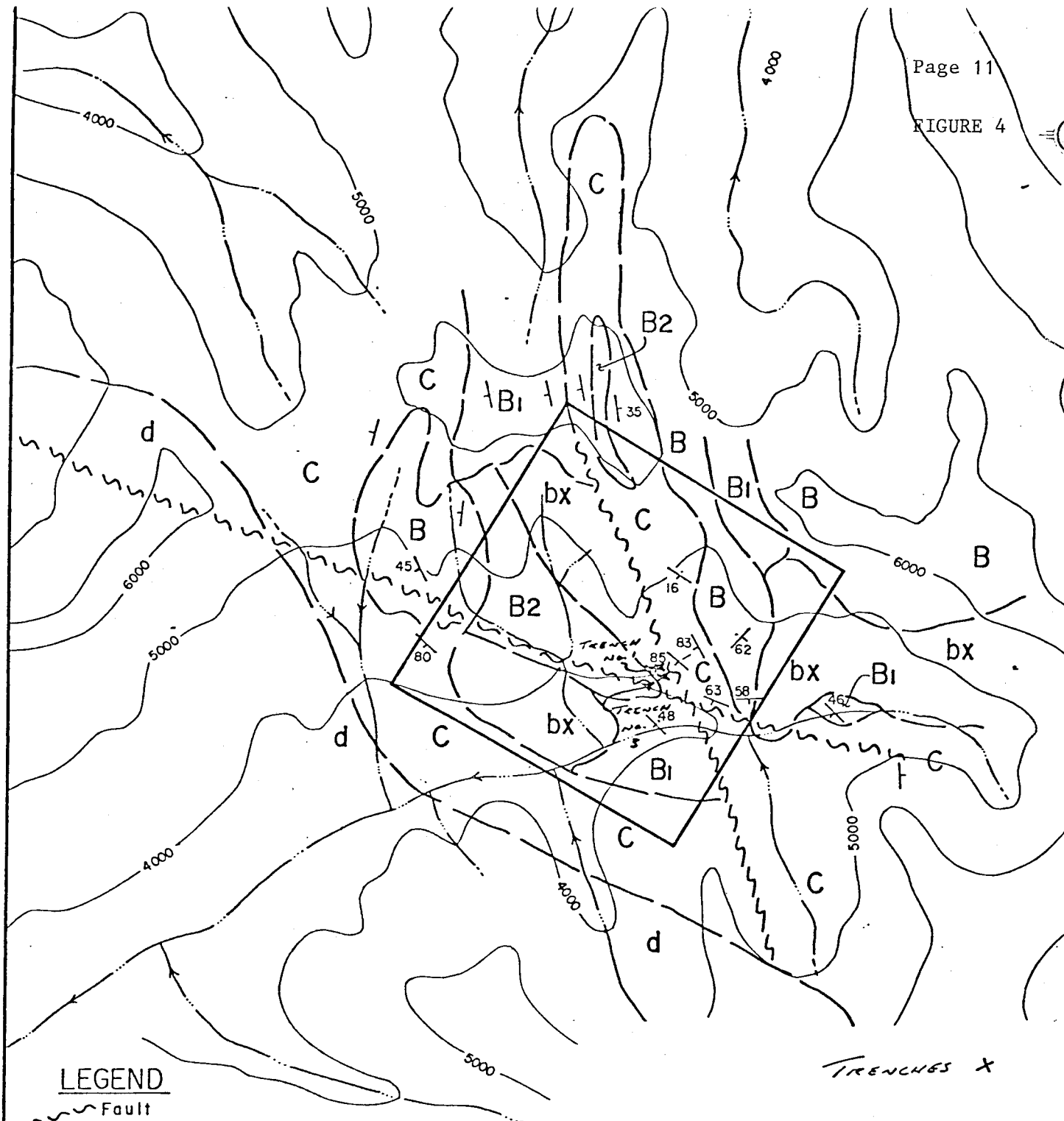
The Arctos 1-16 mineral claims are underlain by Proterozoic sedimentary rocks belonging to Map Units B (Quartet) and C (Gillespie). Zones of brecciation are apparent in the central region of the claim block and may indicate in situ brecciation of the meta-sediments by a diatreme event related to the structural reshaping of the region.

In the vicinity of the breccia units, the siliceous siltstones and shales of upper Unit B have apparently been altered to a purple-red metasomatite or a medium green weathering chloritic siltstone. The contacts are generally vague and transitional. The breccia weathers purple-brown. The matrix is fine-grained, strongly chloritized, hematized and hosts hematized clasts of silicified siltstone country rock.

The medium-green chloritic siltstone may be of igneous origin rather than altered metasedimentary origin.

The orange-brown weathering, massively bedded dolomites of Unit C outcrop along the southern boundary and in a band across the upper northern half of the claim block.

FIGURE 4



LEGEND

Fault

Geologic Contact

Bedding attitude

LITHOLOGY

- bx** Breccia
- d** Grey weathering Devonian Dolomites.
- C** Orange weathering Dolomites
- B2** Chloritic Metasiltstone
- B1** Metasomatized UNIT B: "Metasomatite"
- B** Shales, Siltstones, Sandstones

MOUNTAINEER-PAN OCEAN JOINT VENTURE

ARCTOS CLAIMS

NTS 106 E 1

GEOLOGY

YUKON TERRITORY



PAMICON DEVELOPMENTS LIMITED

DRAWN: Altair	PROJECT: Fairchild	DATE: DEC - 80 -DEC. 1977	FIGURE: 3
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The overall regional trend strikes northwest with bedding dipping to the southwest.

The primary structural feature appears to be complex block faulting. Pamicon personnel have identified two major faults as follows: a north-northwest trending fault that is related to the overthrusting of the northerly band of Unit C into position; a second major fault, possibly later, which trends west-northwest and appears to offset lithological boundaries and intersects the former fault in the southeast corner of the claim block.

7.0 MINERALIZATION

A number of spotty showings of uranium (brannerite), cobalt, barium and copper (chalcopyrite, bornite and chalcocite) have been located but ground follow-up is hampered by the extensive overburden cover in the claim block.

The mineralization appears to be fracture controlled.

8.0 GEOCHEMISTRY

During 1977 and 1978, stream sampling was carried out to detect uranium anomalies.

Three lithological units appear to host anomalous uranium in water values, in descending order of importance: the chloritic metasomatite (B2), the breccia (Bx) and the purple-brown metasomatite (B1).

The assessment report dated January, 1979, by M. Stammers and C. Ikona includes a summary of the above geochemical work, and a summary of assays taken from various sample locations during 1976, 1977 and 1978.

9.0 TRENCHING

The 1980 trenching program was designed to follow up on trenching work carried out in 1978 and 1979.

Two trenches (No. 1 and No. 2) were blasted in 1978 and 1979 to follow narrow (0.1 to 1.5 m wide) shears containing U, Cu, and Co mineralization.

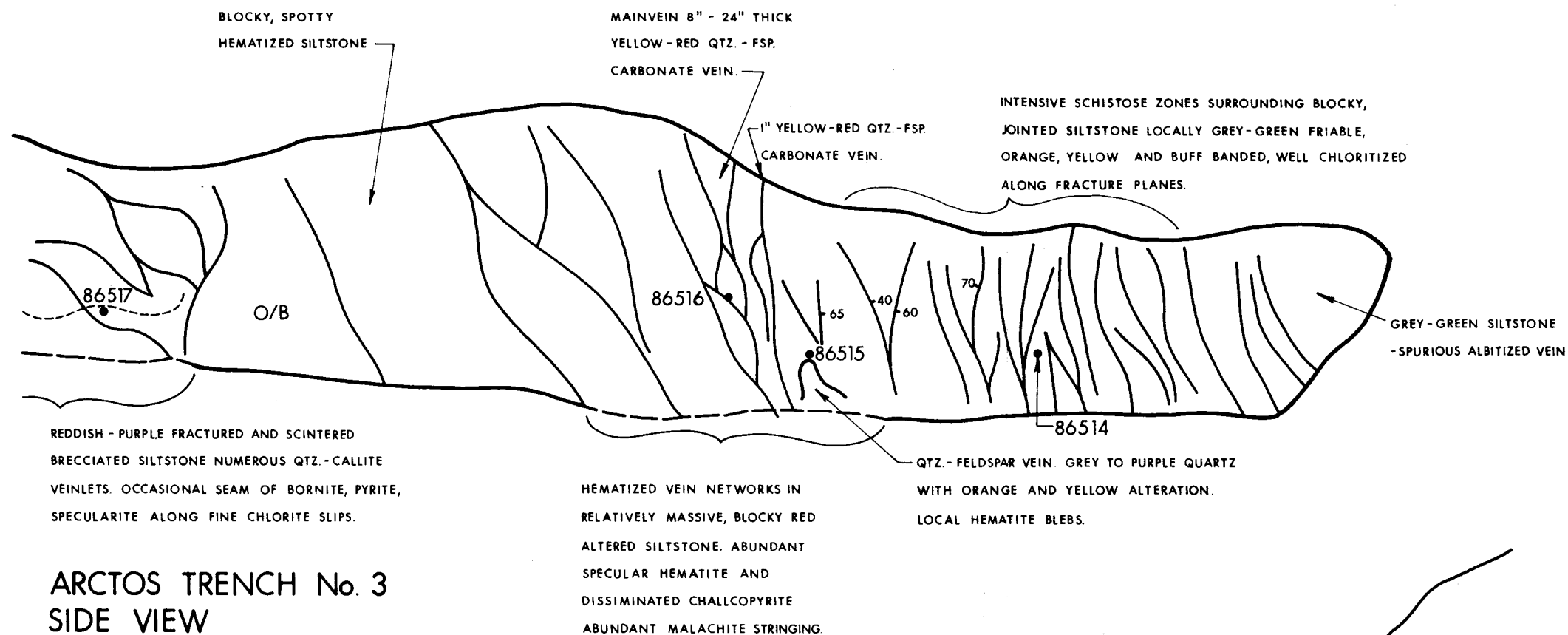
The 1980 trench was blasted along strike of these mineralized trends immediately across a creek on the overburden covered north bank to determine the continuity of the vein and determine if the creek represented a displacement structure.

The 1980 trenching exposed the vein, and adjacent breccia unit and an intense subparallel schistose structure along the known strike. No apparent displacement was noted.

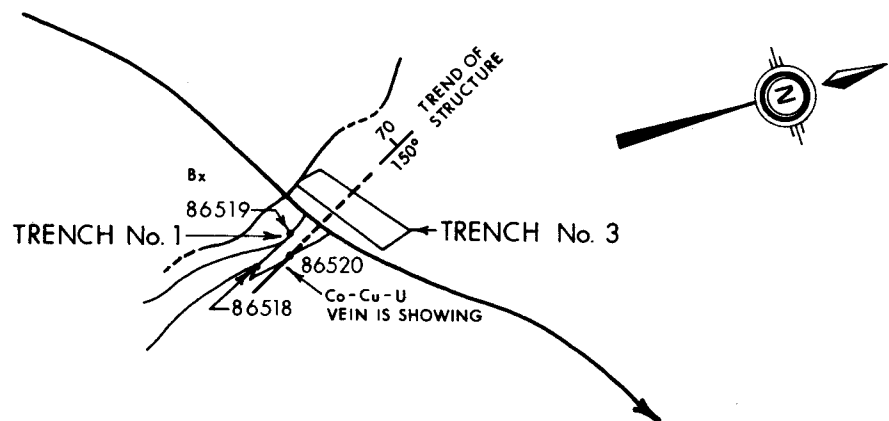
The attached table represents samples taken from trench No. 1 and Trench No. 3.

The trench measures approximately 6 m long by 2 m deep along the floor.

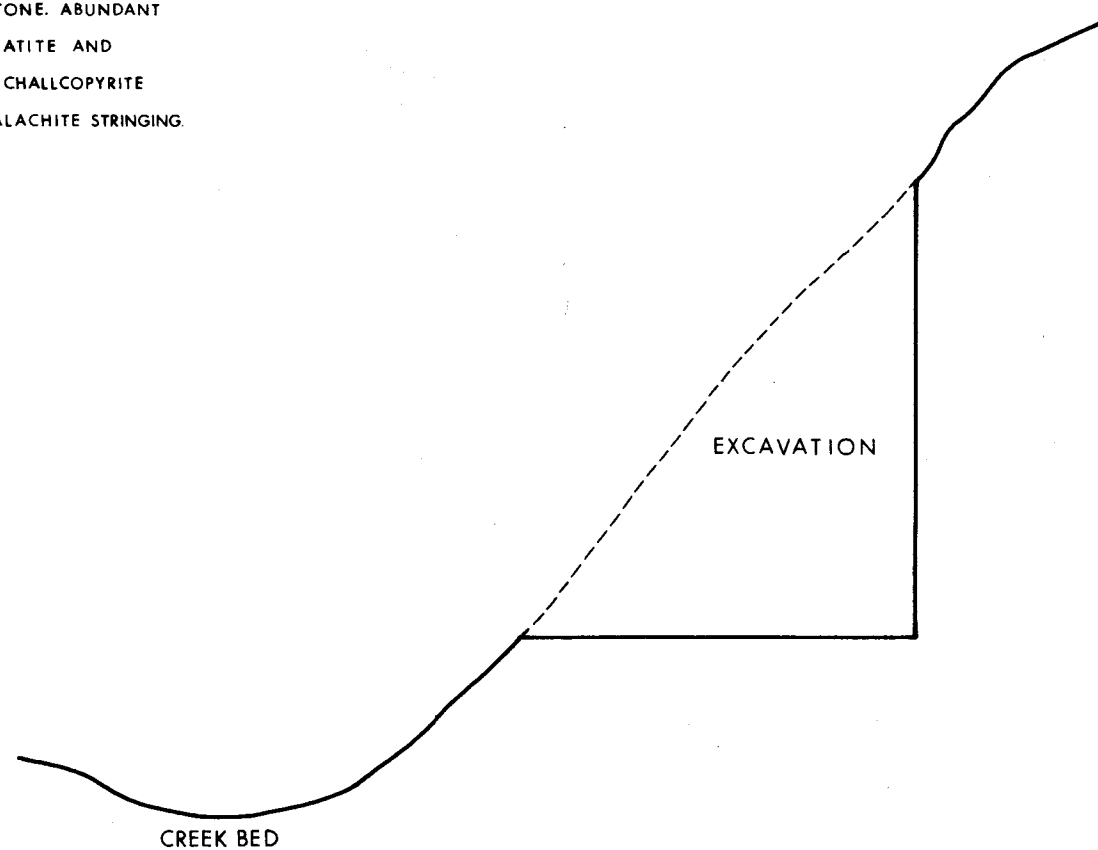
The trenching work was contracted to McCrory Holdings (Yukon) Ltd. of Whitehorse. A two-man crew utilized a Jackleg air hammer, drill steel, explosives and an Atlas Copco XA-50 (105 cfm) compressor.



ARCTOS TRENCH No. 3
SIDE VIEW
 SCALE - 1:30



ARCTOS TRENCH
IN PLAN
 SCALE - 1:600



SIMPLE CROSS - SECTION OF TRENCH
 SCALE - 1:30

ROCK GEOCHEM. ANALYSIS

No.	Au(ppb)
86514	3
86515	65
86516	20
86517	775
86518	360
86519	20
86520	130

LEGEND

ROCK TYPES

- SILTSTONE
- BRECCIA

ALTERATION & MINERALIZATION

- CHLORITE
- HEMATITE
- QTZ. - ALBITE
- MALACHITE
- CALCITE
- RADIOACTIVITY

TO ACCOMPANY REPORT NO. 9-81 BY DLD & DBH

PAN OCEAN OIL LTD.
 CALGARY ALBERTA

ARCTOS TRENCH No. 3
 FAIRCHILD PROJECT

DATE	SCALE	NTS	DRAWING NO.
MARCH, 1981	AS SHOWN	106 C/14	B- 1218

The 1980 trench is located approximately 650 feet, bearing 315°, from Post #1 of Arctos #4 claim.

10.0 RECOMMENDATIONS AND CONCLUSIONS

Although the vein is narrow, it exhibits continuity along a considerable strike length.

As well, within the claim block, narrow but massive veins of chalcopyrite, bornite and chalcocite outcrop.

A follow-up regional survey involving a penetrative EM technique is recommended to test for a flat lying vein lode related to the steep, narrow surface veins.

APPENDIX I


ENGINEER'S CERTIFICATE

ENGINEER'S CERTIFICATE

I, Donald L. Dick, of #11-15 Point Drive N.W., Calgary, in the Province of Alberta, do hereby certify that:

1. I am a graduate of the University of Saskatchewan and hold a B.Sc. degree in Geology.
2. The work reported herein was conducted during a program under my supervision and under the supervision of geologists whom I have confidence in.

Dated this 2 day of April, 1981



Donald L. Dick, B.Sc.

LIST OF PERSONNEL (TRENCHING PROGRAM)

ARCTOS 1-16 MINERAL CLAIMS
AUGUST 15 - SEPTEMBER 1

Donald Dick P.O. Bag 2533 Station M Calgary, Alberta	Geologist	Aug. 31
George Chabot P.O. Bag 2533 Station M Calgary, Alberta	Geologist	Aug. 31
Dave Yeager 208, 850 West Hastings Street Vancouver, B.C.	Geologist	Aug. 29
Yasu Hashimoto 72 - 12th Avenue Whitehorse, Y.T.	Blaster	Aug. 29
Gorden Clark 72 - 12th Avenue Whitehorse, Y.T.	Trencher	Aug. 29

CANADA) In the matter of an evaluation program on the Arctos 1-16
) Mineral Claims.

TO WIT) On behalf of PAN OCEAN OIL LTD.

I, David Yeager for Pamicon Developments Ltd., of 208, 850 West Hastings Street, Vancouver, B.C. do solemnly declare that a trenching program was performed on the Arctos 1-16 Mineral Claims during the period of August 15 to September 1, 1980.

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

Food	\$ 68.79
Expediting	16.65
Camp and Miscellaneous Fuels	26.73
Camp Fixed Wing Support	153.43
Wages	243.75
Helicopter Support	720.00
Trenching	<u>500.00</u>
TOTAL	<u><u>\$1,729.35</u></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
16 day of April, 1981

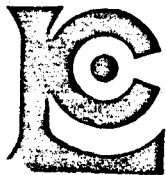
} David A. Yeager

H.S.A.

A Commissioner for Oaths for,
or Notary Public for the Yukon Territory

APPENDIX V

GEOCHEMICAL AND ASSAY RESULTS



CHEMEX LABS LTD.

212 BROOKSBANK AV.
NORTH VANCOUVER, B.C.
CANADA V7J 2C
TELEPHONE: (604)984-022
TELEX: 043-5259

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

TO : Pamicon Developments Ltd.,
208 - 850 W. Hastings St.,
Vancouver, B.C.
V6B 1P1

CERT. # : A8010581-002-
INVOICE # : 39656
DATE : 20-OCT-80

D. YEAGER-FAIRCHILD

CC: PAN OCEAN D. FOSTER

Sample description	Prep code	Cu ppm	Mo ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm
86442	202	1200	--	--	--	0.1	--
86453	202	295	85	--	--	8.0	--
86454	202	32	42	--	--	0.4	--
86455	202	60	30	--	--	0.1	--
86456	202	2250	8	--	--	4.4	--
86490	202	700	3	12	124	0.1	68
86491	202	265	2	4	66	0.1	20
86492	202	1350	4	12	60	0.1	64
86493	202	300	4	8	64	0.1	26
86494	202	330	2	4	44	0.1	24
86495	202	4350	15	8	102	0.1	112
86496	202	10000	25	8	66	0.1	94
86497	202	2300	12	10	74	0.1	74
86498	202	970	4	1	24	0.1	26
86499	202	10000	22	4	76	0.2	58
86500	202	4100	12	4	34	0.1	44



MEMBER
CANADIAN TESTING
ASSOCIATION

Certified by *Hart Biele*



CHEMEX LABS LTD.

212 BROOKSBANK AVE
NORTH VANCOUVER, B.C
CANADA V7J 2C
TELEPHONE: (604)984-022
TELEX: 043-5259

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

TO : Pamicon Developments Ltd.,
208 - 850 W. Hastings St.,
Vancouver, B.C.
V6B 1P1

CERT. # : A8010581-002-
INVOICE # : 39656
DATE : 20-OCT-80

D.YEAGER-FAIRCHILD

CC: PAN OCEAN D. FOSTER

Sample description	Prep code	Co ppm	U ppm	AU-FA+AA ppb				
check 86442 <i>2 ACC 711</i>	202	4000 400	4.5	--	--	--	--	--
86453 <i>KM 014</i>	202	2200 220	--	DELAYED	--	--	--	--
86454 <i>KM 015</i>	202	24	--	DELAYED	--	--	--	--
86455 <i>ES 011</i>	202	40	--	DELAYED	--	--	--	--
86456 <i>ES 012</i>	202	54	--	DELAYED	--	--	--	--
86490	202	108	--	DELAYED	--	--	--	--
86491	202	22	--	DELAYED	--	--	--	--
86492	202	182	--	DELAYED	--	--	--	--
86493	202	42	--	DELAYED	--	--	--	--
86494	202	44	--	DELAYED	--	--	--	--
86495	202	2700 270	--	DELAYED	--	--	--	--
86496	202	2700 270	--	DELAYED	--	--	--	--
86497	202	184	--	DELAYED	--	--	--	--
86498	202	56	--	DELAYED	--	--	--	--
86499	202	140	--	DELAYED	--	--	--	--
86500	202	192	--	DELAYED	--	--	--	--

Certified by *Hart Biele*





CHEMEX LABS LTD.

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

• ANALYTICAL CHEMISTS

• GEOCHEMISTS

• REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

TO : Pamicon Developments Ltd.,
208 - 850 W. Hastings St.,
Vancouver, B.C.
V6B 1P1

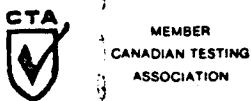
CERT. # : A8010581-001-
INVOICE # : 39656
DATE : 20-OCT-80

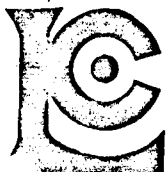
D.YEAGER-FAIRCHILD

CC: PAN OCEAN D. FOSTER

Sample description	Prep code	Cu ppm	Mo ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm
86401	202	2200	14	22	46	0.4	36
86402	202	560	7	12	38	0.1	30
86403	202	146	4	2	32	0.1	38
86405	202	470	--	--	--	0.1	--
86406	202	1500	--	--	--	0.1	--
86407	202	340	--	--	--	0.1	--
86408	202	560	--	--	--	0.1	--
86409	202	196	--	--	--	0.1	--
86410	202	22	--	--	--	0.1	--
86411	202	86	--	--	--	0.1	--
86412	202	1200	--	--	--	0.1	--
86413	202	102	--	--	--	0.1	--
86414	202	158	--	--	--	0.1	--
86415	202	44	--	--	--	0.1	--
86416	202	24	--	--	--	0.1	--
86417	202	36	--	--	--	0.1	--
86418	202	28	--	--	--	0.1	--
86419	202	18	--	--	--	0.1	--
86420	202	30	--	--	--	0.1	--
86421	202	12	--	--	--	0.1	--
86422	202	54	--	--	--	0.1	--
86423	202	6700	--	--	--	0.1	--
86424	202	106	--	--	--	0.1	--
86425	202	285	--	--	--	0.1	--
86426	202	390	--	--	--	0.1	--
86427	202	340	--	--	--	0.1	--
86428	202	2950	--	--	--	0.1	--
86429	202	1200	--	--	--	0.1	--
86430	202	680	--	--	--	0.1	--
86431	202	350	--	--	--	0.1	--
86432	202	4500	--	--	--	0.6	--
86433	202	52	--	--	--	0.1	--
86434	202	4000	--	--	--	0.1	--
86435	202	80	--	--	--	0.1	--
86436	202	265	--	--	--	0.1	--
86437	202	28	--	--	--	0.1	--
86438	202	240	--	--	--	0.1	--
86439	202	200	--	--	--	0.1	--
86440	202	198	--	--	--	0.1	--
86441	202	700	--	--	--	0.1	--

Certified by *Hartman*





CHEMEX LABS LTD.

212 BROOKSBANK AVE
 NORTH VANCOUVER, B.C.
 CANADA V7J 2C
 TELEPHONE: (604)984-022
 TELEX: 043-5259

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

TO : Pamicon Developments Ltd.,
 208 - 850 W. Hastings St.,
 Vancouver, B.C.
 V6B 1P1

CERT. # : A8010580-006
 INVOICE # : 39737
 DATE : 22-OCT-80

D. YEAGER-FAIRCHILD

CC: PAN OCEAN

Co. Cu. Pb. Zn
1-91

Sample description	Prep code	Co ppm	U ppm	AU-FA+AA ppm			
86489 <i>SEAS FLOES</i>	205	--	--	370	--	--	--
86501	205	--	--	35	--	--	--
86502	205	--	--	115	--	--	--
86503	205	--	--	75	--	--	--
86504	205	--	--	900	--	--	--
86505	205	--	--	575	--	--	--
86506	205	--	--	1225	--	--	--
86507	205	--	--	230	--	--	--
86508	205	--	--	210	--	--	--
86509	205	--	--	355	--	--	--
86510	205	--	--	300	--	--	--
86511	205	--	--	280	--	--	--
86512	205	--	--	20	--	--	--
86513	205	--	--	35	--	--	--
86514	205	--	--	3	--	--	--
86515	205	--	--	65	--	--	--
86516	205	--	--	20	--	--	--
86517	205	--	--	775	--	--	--
86518	205	--	--	360	--	--	--
86519	205	--	--	20	--	--	--
86520	205	--	--	130	--	--	--
86521	205	100	--	--	--	--	--
86522	205	70	--	--	--	--	--
86523	205	660	--	--	--	--	--
86524 <i>E-5-80</i>	205	260	--	--	--	--	--
86525	205	162	--	--	--	--	--
86527	205	54	--	5	--	--	--
86528	205	330	--	--	--	--	--
86529	205	--	--	20	--	--	--
86551 <i>LOST FULLH</i>	205	20	>400.0	>2500	--	--	--
86552 <i>JAZZ</i>	205	36	>400.0	643 3225	--	--	--

*UPPER
EAGLE
TRENCH*

*ELK
TRENCH*

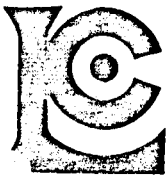
*ARCTOS
TRENCH*

X 5 ppm

86526 ?



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CHEMEX LABS LTD.

212 BROOKSBANK AV
 NORTH VANCOUVER, B
 CANADA V7J 2
 TELEPHONE: (604)984-02
 TELEX: 043-525

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

TO : Pamicon Developments Ltd.,
 208 - 850 W. Hastings St.,
 Vancouver, B.C.
 V6B 1P1

CERT. # : A8010580-006
 INVOICE # : 39737
 DATE : 22-OCT-80

D.YEAGER-FAIRCHILD

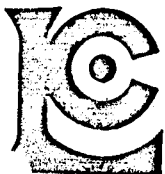
CC: PAN OCEAN

Sample description	Prep code	Cu ppm	Mo ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm
86489 SCABTALUS	205	--	--	--	--	--	--
86501	205	--	--	--	--	--	--
86502	205	--	--	--	--	--	--
86503	205	--	--	--	--	--	--
86504	205	--	--	--	--	--	--
86505	205	--	--	--	--	--	--
86506	205	--	--	--	--	--	--
86507	205	--	--	--	--	--	--
86508	205	--	--	--	--	--	--
86509	205	--	--	--	--	--	--
86510	205	--	--	--	--	--	--
86511	205	--	--	--	--	--	--
86512	205	--	--	--	--	--	--
86513	205	--	--	--	--	--	--
86514	205	--	--	--	--	--	--
86515	205	--	--	--	--	--	--
86516	205	--	--	--	--	--	--
86517	205	--	--	--	--	--	--
86518	205	--	--	--	--	--	--
86519	205	--	--	--	--	--	--
86520	205	--	--	--	--	--	--
86521	205	1400	--	--	--	--	34
86522	205	2400	--	--	--	--	20
86523	205	1000	--	--	--	--	66
86524	205	>10000	--	--	--	--	60
86525	205	160	--	--	--	--	14
86527	205	86	--	--	--	--	16
86528	205	30	--	--	--	--	34
86529	205	--	--	--	--	--	--
86551} COST FULLER	205	360	1	--	--	0.1	--
86552} JAZZ	205	>10000	--	--	--	>20.0	--

86526 missing



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CHEMEX LABS LTD.

212 BROOKSBANK AV.
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 CANADA V7J 2K1
 TELEPHONE: (604)984-0200
 TELEX: 043-525

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CERTIFICATE OF ANALYSIS

TO : Pamicon Developments Ltd.,
 208 - 850 W. Hastings St.,
 Vancouver, B.C.
 V6B 1P1

CERT. # : A8010580-005
 INVOICE # : 39737
 DATE : 22-OCT-80

D. YEAGER-FAIRCHILD

CC: PAN OCEAN

Sample description	Prep code	Cu ppm	Mo ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm
86445 - RAM	205	2200	--	--	--	0.6	--
86446 - ARCTOS CLR-28	205	9500	--	--	--	13.0	--
86447 } LOST FUEL FOR	205	58	3	--	--	0.2	--
86448 } -183	205	20	--	--	10	0.4	--
86449 } -188	205	--	--	--	--	--	--
86450 } -192	205	--	--	--	--	--	--
86451 } SLAB FAR-1	205	9700	1	--	6	0.6	--
86452 } -2	205	7300	12	--	--	1.2	--
86457	205	>10000	3	--	--	1.0	--
86458	205	>10000	>250	--	--	2.2	--
86459	205	255	5	--	--	0.2	--
86460 } URSUS	205	9300	32	--	--	1.6	--
86461 } MAPPING	205	>10000	1	--	--	1.4	--
86462 } SAMPLES	205	620	62	--	--	5.4	--
86463	205	>10000	250	--	--	14.0	--
86464	205	>10000	100	--	--	3.0	--
86465 } URSUS	205	1400	4	--	--	0.2	--
86466 } TELUS #1	205	1800	4	--	--	0.2	--
86467	205	950	4	--	--	--	--
86468 } URSUS	205	500	7	--	--	0.1	--
86469	205	530	66	--	--	0.2	--
86470 } TELUS	205	340	1	--	--	0.1	--
86471 } #3	205	1200	5	--	--	0.1	--
86472	205	380	10	--	--	0.1	--
86473 } URSUS	205	--	--	--	--	--	--
86474 } TELUS #4	205	>10000	120	--	--	1.4	--
86475	205	>10000	98	--	--	0.8	--
86476	205	8900	30	--	--	0.2	--
86477	205	--	--	--	--	--	--
86478 } UOLE	205	>10000	--	--	--	3.8	--
86479 } NOT MAIN	205	>10000	--	--	--	2.4	--
86480 } SAMPLES	205	>10000	--	--	--	2.2	--
86481	205	>10000	--	--	--	>20.0	--
86482	205	--	--	--	--	--	--
86483 } LECTOS	205	>10000	--	--	--	>20.0	--
86484 } PROSPECTING	205	>10000	--	--	--	>20.0	--
86485 } MAPPING	205	3900	--	--	--	13.0	--
86486 } & GEOCHEM	205	>10000	--	--	--	1.0	--
86487 } SLAB	205	--	--	--	--	--	--
86488 } PROSPECTING	205	--	--	--	--	--	--
86488 } TELUS	205	--	--	--	--	--	--

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CHEMEX LABS LTD.

212 BROOKSBANK AVE
NORTH VANCOUVER, B C
CANADA V7J 2C1
TELEPHONE: (604)984-0221
TELEX: 043-52597

• ANALYTICAL CHEMISTS

• GEOCHEMISTS

• REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

RECEIVED OCT 24 1980

C : Pamicon Developments Ltd.,
208 - 850 W. Hastings St.,
Vancouver, B.C.
V6B 1P1

CERT. # : A8010581-001-1
INVOICE # : 39656
DATE : 20-OCT-80

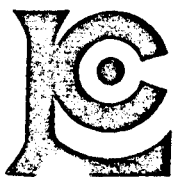
D.YEAGER-FAIRCHILD

CC: PAN OCEAN D. FOSTER

Sample description	Prep code	Cu ppm	Mo ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm
86401 } 52-45	202	2200	14	22	46	0.4	36
86402 }	202	560	7	12	38	0.1	30
86403 }	202	146	4	2	32	0.1	38
86405	202	→ 470	--	--	--	0.1	--
86406	202	1500	--	--	--	0.1	--
86407	202	340	--	--	--	0.1	--
86408	202	560	--	--	--	0.1	--
86409	202	196	--	--	--	0.1	--
86410	202	22	--	--	--	0.1	--
86411	202	86	--	--	--	0.1	--
86412	202	1200	--	--	--	0.1	--
86413	202	102	--	--	--	0.1	--
86414	202	158	--	--	--	0.1	--
86415	202	44	--	--	--	0.1	--
86416	202	24	--	--	--	0.1	--
86417	202	36	--	--	--	0.1	--
86418	202	28	--	--	--	0.1	--
86419	202	18	--	--	--	0.1	--
86420	202	30	--	--	--	0.1	--
86421	202	12	--	--	--	0.1	--
86422	202	54	--	--	--	0.1	--
86423	202	6700	--	--	--	0.1	8
86424	202	106	--	--	--	0.1	--
86425	202	285	--	--	--	0.1	--
86426	202	390	--	--	--	0.1	10
86427	202	340	--	--	--	0.1	--
86428	202	2950	--	--	--	0.1	--
86429	202	1200	--	--	--	0.1	--
86430	202	680	--	--	--	0.1	13
86431	202	350	--	--	--	0.1	--
86432	202	4500	--	--	--	0.6	--
86433	202	52	--	--	--	0.1	15A,B
86434	202	4000	--	--	--	0.1	--
86435	202	80	--	--	--	0.1	--
86436	202	265	--	--	--	0.1	--
86437	202	28	--	--	--	0.1	--
86438	202	240	--	--	--	0.1	--
86439	202	200	--	--	--	0.1	--
86440	202	198	--	--	--	0.1	--
86441	202	700	--	--	--	0.1	--

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CHEMEX LABS LTD.

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

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

TO : Pamicon Developments Ltd.,
208 - 850 W. Hastings St.,
Vancouver, B.C.
V6S 1P1

CERT. # : A8010581-001-B
INVOICE # : 39656
DATE : 20-OCT-80

D.YEAGER-FAIRCHILD

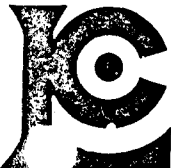
CC: PAN OCEAN D. FOSTER

Sample description	Prep code	Co ppm	U ppm	AU-FA+AA ppb			
86401	202	52	--	DELAYED	--	--	--
86402) slab	202	28	--	DELAYED	--	--	--
86403	202	10	--	DELAYED	--	--	--
86405	202	124	3.0	--	--	--	--
86406	202	62	3.0	--	--	--	--
86407	202	76	2.5	--	--	--	--
86408	202	140	3.0	--	--	--	--
86409	202	76	2.5	--	--	--	--
86410	202	14	2.5	--	--	--	--
86411	202	26	3.0	--	--	--	--
86412	202	22	3.0	--	--	--	--
86413	202	24	3.5	--	--	--	--
86414	202	24	2.0	--	--	--	--
86415	202	24	1.5	--	--	--	--
86416	202	18	1.0	--	--	--	--
86417	202	36	2.5	--	--	--	--
86418	202	26	2.5	--	--	--	--
86419	202	14	2.0	--	--	--	--
86420	202	18	1.5	--	--	--	--
86421	202	12	2.0	--	--	--	--
86422	202	24	2.5	--	--	--	--
86423	202	122	7.0	--	--	--	--
86424	202	24	2.0	--	--	--	--
86425	202	140	3.0	--	--	--	--
86426	202	130	2.5	--	--	--	--
86427	202	54	4.5	--	--	--	--
86428	202	3600 360	9.5	--	--	--	--
86429	202	42	3.0	--	--	--	--
86430	202	24	2.0	--	--	--	--
86431	202	32	3.0	--	--	--	--
86432	202	180	5.0	--	--	--	--
86433	202	6	4.0	--	--	--	--
86434	202	132	6.0	--	--	--	--
86435	202	34	3.5	--	--	--	--
86436	202	26	3.0	--	--	--	--
86437	202	92	3.5	--	--	--	--
86438	202	162	4.0	--	--	--	--
86439	202	46	4.0	--	--	--	--
6440	202	24	2.5	--	--	--	--
86441	202	158	4.5	--	--	--	--

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ASSOCIATION



CHEMEX LABS LTD.

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

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

RECEIVED OCT 24 1980

TO : Pamicon Developments Ltd.,
208 - 850 W. Hastings St.,
Vancouver, B.C.
V6B 1P1

CERT. # : A8010581-002-A
INVOICE # : 39656
DATE : 20-OCT-80

D.YEAGER-FAIRCHILD

CC: PAN OCEAN D. FOSTER

Sample description	Prep code	Cu ppm	Mo ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm
86442 <i>Arctos</i>	202	1200	--	--	--	0.1	--
86453	202	295	85	--	--	8.0	--
86454	202	32	42	--	--	0.4	--
86455	202	60	30	--	--	0.1	--
86456	202	2250	8	--	--	4.4	--
86490	202	700	3	12	124	0.1	68
86491	202	265	2	4	66	0.1	20
86492	202	1350	4	12	60	0.1	64
86493	202	300	4	8	64	0.1	26
86494 <i>Elab</i>	202	330	2	4	44	0.1	24
86495	202	4350	15	8	102	0.1	112
86496	202	10000	25	8	66	0.1	94
86497	202	2300	12	10	74	0.1	74
86498	202	970	4	1	24	0.1	26
86499	202	10000	22	4	76	0.2	58
86500	202	4100	12	4	34	0.1	44



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CHEMEX LABS LTD.

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

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

CERTIFICATE OF ASSAY

TO : Pamicon Developments Ltd.,
 208 - 850 W. Hastings St.,
 Vancouver, B.C.
 V6B 1P1

CERT. # : A8011149-002-A
 INVOICE # : 40684
 DATE : 24-NOV-80
 P.O. # : NONE

Sample description	Prep code	Cu percent	Ni percent	Co percent	U3O8 (%) (conc.)	Ag oz/t	Au oz/t
86136: E-6-80	214	0.35	--	--	--	--	--
86229	214	0.38	--	--	--	--	--
86230	214	0.48	--	--	--	--	--
86231	214	3.85	--	--	--	--	--
86232	214	0.93	--	--	--	--	--
86233	214	0.76	--	--	--	--	--
86234	214	0.90	--	--	--	--	--
86235	214	1.64	--	--	--	--	--
86236	214	0.51	--	--	--	--	--
86237	214	0.59	--	--	--	--	--
86238	214	0.08	--	--	--	--	--
86239	214	0.03	--	--	--	--	--
86240	214	0.02	--	--	--	--	--
86241	214	0.05	--	--	--	--	--
86242	214	0.04	--	--	--	--	--
86243	214	0.04	--	--	--	--	--
86244	214	0.21	--	--	--	--	--
86245	214	0.39	--	--	--	--	--
86246	214	0.43	--	--	--	--	--
86247	214	1.17	--	--	--	--	--
86443	214	--	--	--	DELAYED	--	--
86444	214	--	--	--	DELAYED	--	--
86445	214	--	--	--	DELAYED	--	--
86446	214	--	--	--	DELAYED	--	--
86468	214	--	--	--	DELAYED	--	--
86469	214	--	--	--	DELAYED	--	--
86470	214	--	--	--	DELAYED	--	--
86471	214	--	--	--	DELAYED	--	--
86551	214	--	--	--	DELAYED	--	--
86552	214	1.66	--	--	DELAYED	DELAYED	DELAYED
86462	214	--	--	--	--	--	DELAYED
86481	214	5.75	--	--	--	DELAYED	DELAYED
86483	214	36.00	--	--	--	DELAYED	DELAYED
86484	214	12.40	--	--	--	DELAYED	DELAYED
86501	214	0.17	0.06	0.830	--	DELAYED	--
86502	214	0.55	0.10	0.840	--	DELAYED	--
86503	214	0.18	0.06	0.360	--	DELAYED	--
86504	214	1.28	1.30	11.100	--	DELAYED	--
505	214	0.27	0.74	7.000	--	DELAYED	--
86506	214	0.52	1.30	10.600	--	DELAYED	--

..... *U.S. Swartz*
 Registered Assayer, Province of British Columbia





CHEMEX LABS LTD.

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

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

RECEIVED OCT 24 1980

TO : Pamicon Developments Ltd.,
 208 - 850 W. Hastings St.,
 Vancouver, B.C.
 V6B 1P1

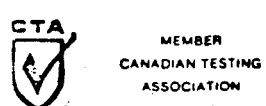
CERT. # : A8010581-001-A
 INVOICE # : 39656
 DATE : 20-OCT-80

D. YEAGER-FAIRCHILD

CC: PAN OCEAN D. FOSTER

Sample description	Prep code	Cu ppm	Mo ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm
86401	202	2200	14	22	46	0.4	36
86402	202	560	7	12	38	0.1	30
86403	202	146	4	2	32	0.1	38
86405	202	470	--	--	--	0.1	--
86406	202	1500	--	--	--	0.1	--
86407	202	340	--	--	--	0.1	--
86408	202	560	--	--	--	0.1	--
86409	202	196	--	--	--	0.1	--
86410	202	22	--	--	--	0.1	--
86411	202	86	--	--	--	0.1	--
86412	202	1200	--	--	--	0.1	--
86413	202	102	--	--	--	0.1	--
86414	202	158	--	--	--	0.1	--
86415	202	44	--	--	--	0.1	--
86416	202	24	--	--	--	0.1	--
86417	202	36	--	--	--	0.1	--
86418	202	28	--	--	--	0.1	--
86419	202	18	--	--	--	0.1	--
86420	202	30	--	--	--	0.1	--
86421	202	12	--	--	--	0.1	--
86422	202	54	--	--	--	0.1	--
86423	202	6700	--	--	--	0.1	--
86424	202	106	--	--	--	0.1	--
86425	202	285	--	--	--	0.1	--
86426	202	390	--	--	--	0.1	--
86427	202	340	--	--	--	0.1	--
86428	202	2950	--	--	--	0.1	--
86429	202	1200	--	--	--	0.1	--
86430	202	680	--	--	--	0.1	--
86431	202	350	--	--	--	0.1	--
86432	202	4500	--	--	--	0.6	--
86433	202	52	--	--	--	0.1	--
86434	202	4000	--	--	--	0.1	--
86435	202	80	--	--	--	0.1	--
86436	202	265	--	--	--	0.1	--
86437	202	28	--	--	--	0.1	--
86438	202	240	--	--	--	0.1	--
86439	202	200	--	--	--	0.1	--
86440	202	198	--	--	--	0.1	--
86441	202	700	--	--	--	0.1	--

Certified by *Hartmann*





CHEMEX LABS LTD.

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

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

Client: Pamicon Developments Ltd.,
 208 - 850 W. Hastings St.,
 Vancouver, B.C.
 V6B 1P1

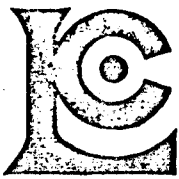
CERT. # : A8010580-005-B
 INVOICE # : 39737
 DATE : 22-OCT-80

D. YEAGER-FAIRCHILD

CC: PAN OCEAN

Sample description	Prep code	Co ppm	U ppm	AU-FA+AA ppb			
86445 Rom	205	14	>400.0	>2500	--	--	--
86446 Arctos	205	220	>400.0	983	--	--	--
86447 } 86448 } lost fuel 86449 }	205	72	395.0	--	--	--	--
86450 }	205	--	--	10	--	--	--
86451 } 86452 } SLAB 86457 }	205	6	--	--	--	--	--
86458 }	205	24	--	245	--	--	--
86459 }	205	24	--	115	--	--	--
86460 }	205	1300	--	1600	--	--	--
86461 }	205	46	--	15	--	--	--
86462 }	205	52	--	975	--	--	--
86463 }	205	44	--	105	--	--	--
86464 }	205	66	--	270	--	--	--
86465 }	205	52	--	>5000	--	--	--
86466 }	205	66	--	445	--	--	--
86467 } 86468 } 86469 } 86470 } 86471 } 86472 } 86473 } 86474 } 86475 } 86476 } 86477 } 86478 }	205	6	19.0	--	--	--	--
86479 } 86480 } 86481 } 86482 } 86483 } 86484 } 86485 } 86486 } 86488 }	205	10	8.0	--	--	--	--
86487 } 86488 }	205	12	29.0	--	--	--	--
86489 }	205	26	125.0	--	--	--	--
86490 }	205	58	>400.0	1925	--	--	--
86491 }	205	32	11.0	--	--	--	--
86492 }	205	58	35.0	--	--	--	--
86493 }	205	72	>400.0	>2500	--	--	--
86494 }	205	--	--	465	--	--	--
86495 }	205	64	281.0	--	--	--	--
86496 }	205	52	65.0	--	--	--	--
86497 }	205	52	35.0	--	--	--	--
86498 }	205	>10000	--	--	--	--	--
86499 }	205	132	--	<5	--	--	--
86500 }	205	26	--	--	--	--	--
86501 } 86502 } 86503 } 86504 } 86505 } 86506 } 86507 } 86508 } 86509 } 86510 }	205	12	--	--	--	--	--
86511 }	205	24	--	--	--	--	--
86512 }	205	470	--	--	--	--	--
86513 }	205	--	--	5	--	--	--
86514 }	205	34	--	--	--	--	--
86515 }	205	32	--	--	--	--	--
86516 }	205	355	--	--	--	--	--
86517 }	205	172	--	--	--	--	--
86518 }	205	--	--	120	--	--	--
86519 }	205	--	--	95	--	--	--

Certified by *Harold Biddle*



CHEMEX LABS LTD.

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

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CERTIFICATE OF ANALYSIS

TO: Pamicon Developments Ltd.,
 208 - 850 W. Hastings St.,
 Vancouver, B.C.

CERTIFICATE NO. SP 766

INVOICE NO. 40009

RECEIVED Sept. 29/80

ATTN: V6B 1P1
 D. Yeager CC. Pan Ocean Oil, Calgary, Alta.

ANALYSED Oct. 28/80

SAMPLE NO. :	Lower Concentration Limit (PPM)	86404 <i>KAO-Belle</i>	86449 <i>Lost Pass</i>	86472 <i>URSUS #4</i>	86482 <i>ACTOS</i>	86487 <i>ACTOS</i>	86488 <i>SLABTALUS</i>
Antimony Sb	50	50 ⁷⁶	bcl	bcl	100	200	bcl
Arsenic As	50	500	bcl	bcl	200	1000	200
Barium Ba	5	200	700	> 5000	1500	1000	700
Beryllium Be	5	bcl	bcl	bcl	bcl	bcl	bcl
Bismuth Bi	5	70	bcl	20	70	5	bcl
Boron B	20	bcl	150	20	bcl	bcl	100
Cadmium Cd	20	bcl	bcl	bcl	bcl	bcl	bcl
Calcium Ca	0.05%	2%	0.3%	0.3%	0.5%	0.07%	7%
Chromium Cr	10	200	150	100	30	100	150
Cobalt Co	10	70	10	100	300	500	70
Copper Cu	1	> 5000	300	> 5000	> 5000	> 5000	> 5000
Gallium Ga	5	bcl	10	20	bcl	5	20
Germanium Ge	20	bcl	bcl	bcl	bcl	bcl	bcl
Indium In	50	bcl	bcl	bcl	bcl	bcl	bcl
Iron Fe	0.05%	3%	7%	> 20%	7%	20%	2%
Lead Pb	5	20	300	20	20	5	70
Magnesium Mg	0.02%	1%	0.15%	0.5%	0.7%	0.02%	1.5%
Manganese Mn	5	700	2000	150	500	150	500
Molybdenum Mo	10	< 100	< 100	< 100	< 100	< 100	500
Nickel Ni	5	100	20	70	5	15	20
Niobium Nb	50	bcl	bcl	bcl	bcl	bcl	bcl
Silver Ag	1	20	bcl	bcl	500	15	1
Strontium Sr	2	10	10	300	7	7	150
Tellurium Te	200	bcl	bcl	bcl	bcl	bcl	bcl
Thorium Th	200	bcl	bcl	bcl	bcl	bcl	bcl
Tin Sn	10	bcl	bcl	20	bcl	bcl	bcl
Titanium Ti	5	70	1500	700	500	70	1000
Vanadium V	20	50	200	100	200	200	100
Zinc Zn	50	150	bcl	50	bcl	bcl	100
Zirconium Zr	20	bcl	100	70	20	50	100

SEMI QUANTITATIVE SPECTROGRAPHIC ANALYSES

>5000 ppm = > 5000 ppm 50 ppm = 25-100 ppm
 5000 ppm = 2500-10000 ppm 20 ppm = 10-50 ppm
 2000 ppm = 1000-4000 ppm 10 ppm = 5-20 ppm
 1000 ppm = 500-2000 ppm 5 ppm = 2-10 ppm

500 ppm = 250-1000 ppm 2 ppm = 1-4 ppm
 200 ppm = 100-400 ppm 1 ppm = 0.5-2 ppm
 100 ppm = 50-200 ppm bcl = below concentration limit

Ranges for Iron, Calcium & Magnesium are reported in %

RECEIVED NOV - 4 1980



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 CANADIAN TESTING
 ASSOCIATION

CERTIFIED BY: *[Signature]*



CHEMEX LABS LTD.

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

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CERTIFICATE OF ANALYSIS

TO: PAMICON DEVELOPMENTS LTD.
 #208, 850 W. Hastings Street
 Vancouver, B.C. Also on A8010588
 V6B 1P1 Project: Fairchild Lake
 ATTN: D. Yeager cc - Pan Ocean Oil, Calgary, Attn: D. Foster

CERTIFICATE NO. SP A 768
 INVOICE NO. 40187
 RECEIVED Sept. 29, 1980
 ANALYSED Nov. 4, 1980

SAMPLE NO. :	Lower Concentration Limit (PPM)	87510	86511	86512	86513	86514	86515	86516	86517
		VE-10	VE-11	ELR2	ELR1	Leccs1	Leccs2	Leccs3	Leccs4
Antimony	50	bcl	bcl	bcl	bcl	bcl	bcl	bcl	bcl
Arsenic	50	>5000	>5000	>5000	1500	500	300	200	1000
Barium	5	>5000	>5000	>5000	>5000	5000	5000	>5000	>5000
Beryllium	5	bcl	bcl	bcl	bcl	bcl	bcl	bcl	bcl
Bismuth	5	70	100	5	10	bcl	bcl	bcl	bcl
Boron	20	bcl	bcl	20	300	bcl	bcl	70	bcl
Cadmium	20	bcl	bcl	bcl	bcl	bcl	bcl	bcl	bcl
Calcium	0.05%	1%	1.5%	10%	0.7%	5%	10%	10%	1%
Chromium	10	70	50	70	100	500	150	150	150
Cobalt	10	>5000	>5000	2000	700	500	300	150	1000
Copper	1	2000	2000	200	>5000	500	100	150	2000
Gallium	5	bcl	bcl	bcl	20	bcl	bcl	10	10
Germanium	20	bcl	bcl	bcl	bcl	bcl	bcl	bcl	bcl
Indium	50	bcl	bcl	bcl	bcl	bcl	bcl	bcl	bcl
Iron	0.05%	>20%	20%	2%	3%	2%	10%	5%	10%
Lead	5	70	70	5	10	5	7	10	10
Magnesium	0.02%	1%	1%	1%	1%	1.5%	2%	2%	1%
Manganese	5	3000	3000	1500	500	2000	3000	5000	300
Molybdenum	10	<100	<100	<100	<100	<100	<100	<100	<100
Nickel	5	2000	2000	300	300	100	50	20	150
Niobium	50	bcl	bcl	bcl	bcl	bcl	bcl	bcl	bcl
Silver	1	1	1	bcl	15	bcl	bcl	bcl	bcl
Strontium	2	1000	1000	500	500	70	100	700	50
Tellurium	200	bcl	bcl	bcl	bcl	bcl	bcl	bcl	bcl
Thorium	200	bcl	bcl	bcl	bcl	bcl	bcl	bcl	bcl
Tin	10	bcl	bcl	bcl	bcl	bcl	bcl	bcl	bcl
Titanium	5	300	500	300	1500	200	700	1000	2000
Vanadium	20	50	bcl	bcl	100	50	70	50	150
Zinc	50	100	100	bcl	bcl	bcl	bcl	bcl	bcl
Zirconium	20	70	70	20	200	bcl	50	70	200

SEMI QUANTITATIVE SPECTROGRAPHIC ANALYSES

>5000 ppm = > 5000 ppm 50 ppm = 25-100 ppm
 5000 ppm = 2500-10000 ppm 20 ppm = 10-50 ppm
 2000 ppm = 1000-4000 ppm 10 ppm = 5-20 ppm
 1000 ppm = 500-2000 ppm 5 ppm = 2-10 ppm

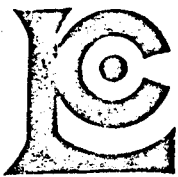
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MEMBER
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CHEMEX LABS LTD.

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

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 "CORRECTED COPY" "Sb changed"
CERTIFICATE OF ANALYSIS

RECEIVED NOV 12 1980

TO: PAMICON DEVELOPMENTS LTD. also on
 #208, 850 W. Hastings Street A801058
 Vancouver, B.C. 70276
 V6B 1P1
 ATTN: D. Yeager PROJECT: FAIRCHILD LAKE

CERTIFICATE NO. SP A 766
 INVOICE NO. 40009
 RECEIVED Sept. 29, 1980
 ANALYSED Oct. 31, 1980

cc - Pan Ocean Oil, Calgary, Attn: D. Foster

SAMPLE NO. :	Lower Concentration Limit (PPM)	86404 <i>For Break</i>	86449 <i>Lost Fish</i>	86472 <i>Upper Tr. 4</i>	86482 <i>Archs</i>	86487 <i>Archs</i>	86488 <i>Slab</i>	86489 <i>Slab</i>	86501 <i>UET-1</i>
Antimony	50	bcl	bcl	bcl	bcl	bcl	bcl	bcl	bcl
Arsenic	50	500	bcl	bcl	200	1000	200	bcl	> 5000
Barium	5	20	700	>5000	1500	1000	700	1000	> 5000
Beryllium	5	bcl	bcl	bcl	bcl	bcl	bcl	bcl	bcl
Bismuth	5	70	bcl	20	70	5	bcl	bcl	30
Boron	20	bcl	150	20	bcl	bcl	100	100	bcl
Cadmium	20	bcl	bcl	bcl	bcl	bcl	bcl	bcl	bcl
Calcium	0.05%	2%	0.3%	0.3%	0.5%	0.07%	7%	3%	1%
Chromium	10	200	150	100	30	100	150	150	100
Cobalt	10	70	10	100	300	500	70	100	5000
Copper	1	> 5000	300	> 5000	>5000	> 5000	>5000	5000	1000
Gallium	5	bcl	10	20	bcl	5	20	20	bcl
Germanium	20	bcl	bcl	bcl	bcl	bcl	bcl	bcl	bcl
Indium	50	bcl	bcl	bcl	bcl	bcl	bcl	bcl	bcl
Iron	0.05%	3%	7%	> 20%	7%	20%	2%	3%	20%
Lead	5	20	300	20	20	5	70	10	10
Magnesium	0.02%	1%	0.15%	0.5%	0.7%	0.02%	1.5%	1%	1%
Manganese	5	700	2000	150	500	150	500	500	> 5000
Molybdenum	10	< 100	< 100	< 100	< 100	< 100	500	200	< 100
Nickel	5	100	20	70	5	15	20	50	500
Niobium	50	bcl	bcl	bcl	bcl	bcl	bcl	bcl	bcl
Silver	1	20	bcl	bcl	500	15	1	bcl	bcl
Strontium	2	10	10	300	7	7	150	100	500
Tellurium	200	bcl	bcl	bcl	bcl	bcl	bcl	bcl	bcl
Thorium	200	bcl	bcl	bcl	bcl	bcl	bcl	bcl	bcl
Tin	10	bcl	bcl	20	bcl	bcl	bcl	bcl	bcl
Titanium	5	70	1500	700	500	70	1000	1000	1000
Vanadium	20	50	200	100	200	200	100	100	50
Zinc	50	150	bcl	50	bcl	bcl	100	50	200
Zirconium	20	bcl	100	70	20	50	100	100	100

SEMI QUANTITATIVE SPECTROGRAPHIC ANALYSES

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MEMBER
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CERTIFIED BY: *[Signature]*



CHEMEX LABS LTD.

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

Luif

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

RECEIVED NOV 10 1980

CERTIFICATE OF ANALYSIS

TO: Pamicon Developments Ltd.
 208-850 W. Hastings ST.
 Vancouver, B.C.
 V6B 1P1

CERTIFICATE NO. SP 769

INVOICE NO. 40187

RECEIVED 29-SEPT-80

ATTN: c.c. Pan Ocean Oil Prj: Fairchild Lk.

ANALYSED 05-NOV-80

SAMPLE NO. :	Lower Concentration Limit (PPM)	86518	86519	86520	86526
		86518	86519	86520	86526
Antimony	50	bcl	bcl	bcl	bcl
Arsenic	50	1500	300	200	bcl
Barium	5	>5000	>5000	>5000	1500
Beryllium	5	bcl	bcl	bcl	5
Bismuth	5	5	bcl	bcl	bcl
Boron	20	bcl	bcl	150	200
Cadmium	20	bcl	bcl	bcl	bcl
Calcium	0.05%	2%	2%	5%	10%
Chromium	10	100	200	300	300
Cobalt	10	1000	150	200	bcl
Copper	1	1000	150	5000	20
Gallium	5	7	7	5	10
Germanium	20	bcl	bcl	bcl	bcl
Indium	50	bcl	bcl	bcl	bcl
Iron	0.05%	10%	2%	3%	3%
Lead	5	150	30	10	7
Magnesium	0.02%	1.5%	1.5%	1.5%	1.5%
Manganese	5	1000	1000	1000	1000
Molybdenum	10	<100	<100	<100	<100
Nickel	5	150	10	15	15
Niobium	50	bcl	bcl	bcl	bcl
Silver	1	2	1	1	bcl
Strontium	2	100	100	70	300
Tellurium	200	bcl	bcl	bcl	bcl
Thorium	200	bcl	bcl	bcl	bcl
Tin	10	bcl	bcl	bcl	bcl
Titanium	5	1500	1000	1000	1000
Vanadium	20	100	50	50	50
Zinc	50	bcl	bcl	bcl	bcl
Zirconium	20	200	100	150	150

SEMI QUANTITATIVE SPECTROGRAPHIC ANALYSES

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 ASSOCIATION

CERTIFIED BY:



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 CANADA V7J 2C1
 TELEPHONE: (604)984-0221
 TELEX: 043-52597

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CERTIFICATE OF ANALYSIS

TO : Pamicon Developments Ltd.,
 208 - 850 W. Hastings St.,
 Vancouver, B.C.
 V6B 1P1

CERT. # : A8010580-006-B
 INVOICE # : 39737
 DATE : 22-OCT-80

D. YEAGER-FAIRCHILD

*Lo. Cu. Lu.
 1-91*

CC: PAN OCEAN

Sample description	Prep code	Co ppm	U ppm	AU-FA+AA ppb			
86489 <i>SEAS TRENCH</i>	205	--	--	370	--	--	--
86501	205	--	--	35	--	--	--
86502	205	--	--	115	--	--	--
86503	205	--	--	75	--	--	--
86504	205	--	--	900	--	--	--
86505	205	--	--	575	--	--	--
86506	205	--	--	1225	--	--	--
86507	205	--	--	230	--	--	--
86508	205	--	--	210	--	--	--
86509	205	--	--	355	--	--	--
86510	205	--	--	300	--	--	--
86511	205	--	--	280	--	--	--
86512	205	--	--	20	--	--	--
86513	205	--	--	35	--	--	--
86514	205	--	--	3	--	--	--
86515	205	--	--	65	--	--	--
86516	205	--	--	20	--	--	--
86517	205	--	--	775	--	--	--
86518	205	--	--	360	--	--	--
86519	205	--	--	20	--	--	--
86520	205	--	--	130	--	--	--
86521	205	100	--	--	--	--	--
86522	205	70	--	--	--	--	--
86523	205	660	--	--	--	--	--
86524	205	260	--	--	--	--	--
86525	205	162	--	--	--	--	--
86527	205	54	--	5	--	--	--
86528	205	330	--	--	--	--	--
86529	205	--	--	20	--	--	--
86551 <i>LOST FURCH</i>	205	20	>400.0	>2500	--	--	--
86552 <i>JAZZ</i>	205	36	>400.0	223 3225	--	--	--

UPPER CABLE TRENCH

ELK TRENCH

ACCISE TRENCH

E-5-80

XSPD

86526 ?



Certified by *Hart Biddle*