


STATEMENT OF QUALIFICATIONS

I, PAUL ZIEBART, of Coquitlam, British Columbia, hereby certify the following qualifications:

(a) I attended the Haileybury School of Mines, Northern College of Applied Arts and Technology (Ontario) from 1967 - 1969.

(b) I have been practising my profession as a prospector - technician in Canada for five years.

  
\_\_\_\_\_  
Paul Ziebart

LIST OF EXPENDITURES

Camp Expenses:

Board & Room - \$40/day x 10 = \$400 \$400

Salary:

10 field days + 2 office days preparing  
report = 12 x \$55/day = \$660 660

Transportation:

Commercial air fares - Vancouver to  
Watson Lake to Vancouver = \$180  
Cessna 185 charter - Watson Lake to  
Rainbow Lake to Watson Lake = \$270  
206-A helicopter - \$246/hour x 7 hours  
= \$1,722 2,172

TOTAL: \$3,232

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AUG 12 REC'D

# ARCTIC DIAMOND DRILLING LTD.

P.O. Box 3204 184 Industrial Road  
Whitehorse, Yukon Territory Y1A 2V1

730 - 510 W. Hastings Street,  
Vancouver, B.C.

Marwell Area - Phone 668-2440 667-6434

Phone 688-3328

July 31, 1974

INVOICE #1610

IN ACCOUNT WITH:

Imperial Oil Limited,  
1281 West Georgia Street,  
Vancouver 5, B.C.

Drilling charges July 16 - 31, 1974 (Rainbow Lake Project)

Hole: 8 x 50° x BQ

Moving

109 man hours @ \$8.00 per hour =	\$872.00	
28 machine hours @ \$7.00 per hour =	<u>196.00</u>	\$1,068.00

Testing

4 tests @ \$23.00 per test =		\$ 92.00
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Overburden

0 - 19 = 19 feet @ \$8.40 per foot =		159.60
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Coring

19 - 500 = 481 feet @ \$8.40 per foot =	\$4,040.40	
500 - 607 = 107 feet @ \$9.15 per foot =	<u>979.05</u>	<u>\$5,019.45</u> \$6,339.05

Hole: B-1 x 50° x BQ

Moving

56 man hours @ \$8.00 per hour =	\$448.00	
18 machine hours @ \$7.00 per hour =	<u>126.00</u>	\$ 574.00

Testing

3 tests @ \$23.00 per test =		\$ 69.00
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Overburden

0 - 6 = 6 feet @ \$8.40 per foot =		\$ 50.40
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Coring

6 - 407 = 401 feet @ \$8.40 per foot =		\$3,368.40
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Reaming Casing

6 - 9 = 3 feet @ \$7.00 per foot =		<u>\$ 21.00</u> \$4,082.80
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Hole: A-1 x 50° x BQ

Moving

54 man hours @ \$8.00 per hour =	\$432.00	
17 machine hours @ \$7.00 per hour =	<u>119.00</u>	\$ 551.00

Testing

2 tests @ \$23.00 per test =		\$ 46.00
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ARCTIC DIAMOND DRILLING LTD.

Page 2

Invoice #1610 - Imperial Oil Limited - Cont'd

<u>Overburden</u>			
0 - 9 = 9 feet @ \$8.40 per foot =	\$ 75.60	\$	75.60
<u>Coring</u>			
9 - 307 = 298 feet @ \$8.40 per foot =		\$2,503.20	
<u>Reaming Casing</u>			
9 - 11 = 2 feet @ \$7.00 per foot =		\$ 14.00	\$3,189.80

Hole: Jenn-1 x 50° x BQ

<u>Moving</u>			
56 man hours @ \$8.00 per hour =	\$448.00		
16 machine hours @ \$7.00 per hour =	<u>112.00</u>	\$	560.00
<u>Testing</u>			
2 tests @ \$23.00 per test =		\$	46.00
<u>Overburden</u>			
0 - 20 = 20 feet @ \$8.40 per foot =		\$	168.00
<u>Coring</u>			
20 - 357 = 337 feet @ \$8.40 per foot =		\$2,830.80	
<u>Reaming Casing</u>			
20 - 21 = 1 foot @ \$7.00 per foot =		\$ 7.00	\$3,611.80

Hole: -----

<u>Moving</u>			
100 man hours @ \$8.00 per hour =	\$800.00		
22 machine hours @ \$7.00 per hour =	<u>154.00</u>	\$	954.00

TOTAL INVOICE \$18,177.45

Deduct 384.00  
 Pay Bal. 17,793.45

<p><b>APPROVED</b></p> <p><i>W. Hamon</i></p> <hr/> <p>653 = 17,793.45</p> <p><i>Success</i></p> <p><i>Diamond Drilling</i></p>
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NB Item deducted  
 Frontier Helicopters Ltd  
 Invoice dated Aug 2/74  
 Paid by Imperial Oil Ltd  
 for Arctic D.D. account  
 See attached copies  
*J.S.*





CRY LAKE - 104 I/1

5253  
M 1  
1:250,000

PY CLAMS  
Group IX

JANE CLAMS  
Group VIII

SPATSIZ PLATEAU  
LOCATION MAP GROUPS VIII & IX

45 2 30 54 15 55 128 00

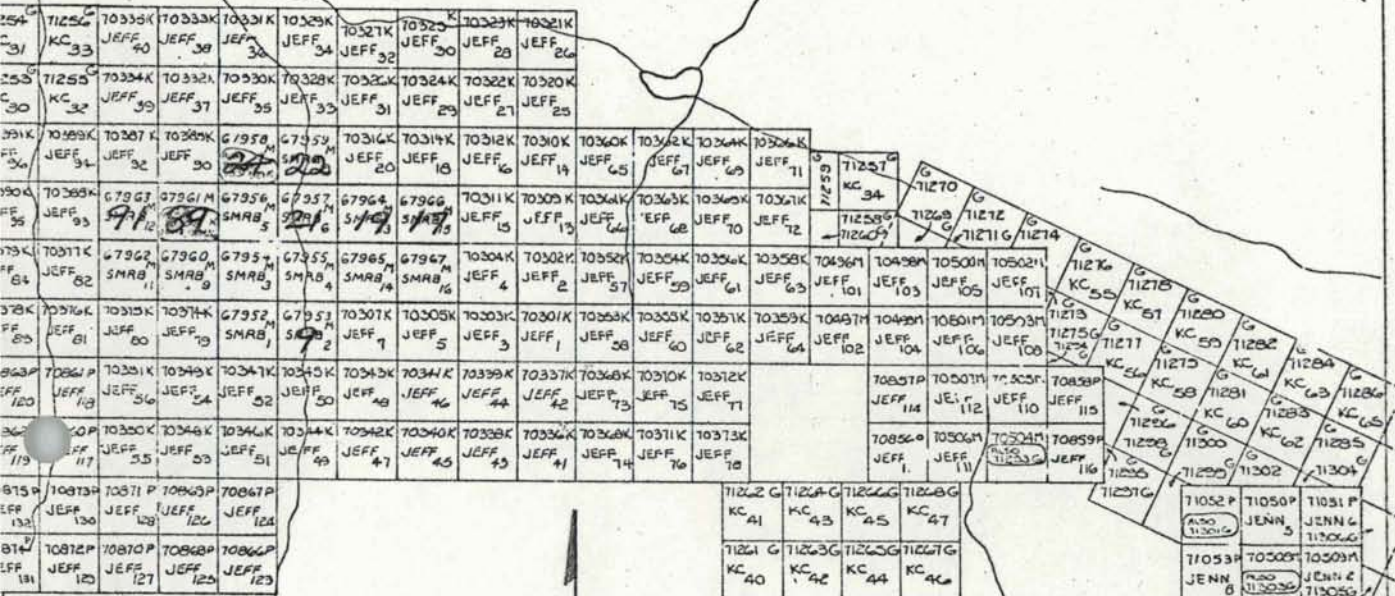


Department of  
Mines and Petroleum Resources

ASSESSMENT REPORT

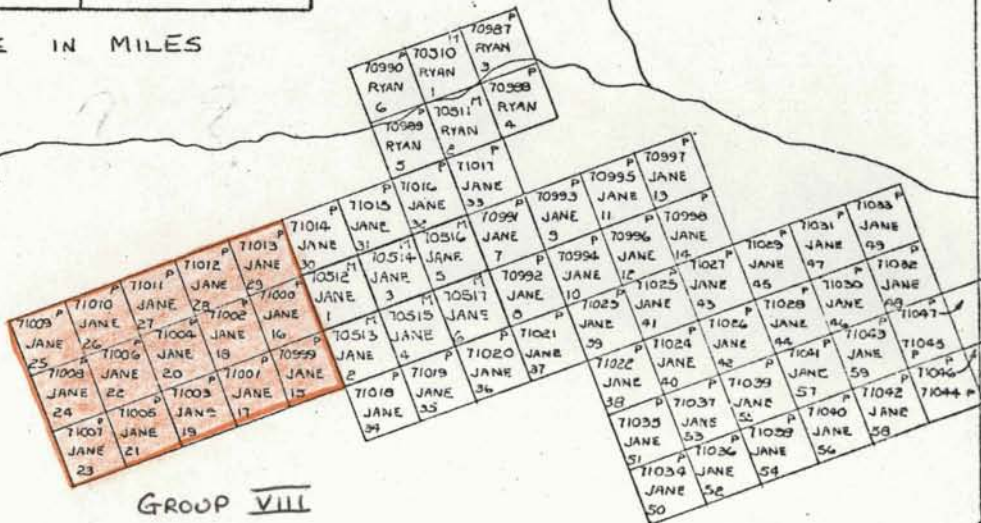
NO. **5253** MAP **#2**

6



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70976P	70978P
PY 55	PY 57
70977P	70979P
PY 56	PY 58



4



Department of  
Mines and Petroleum Resources

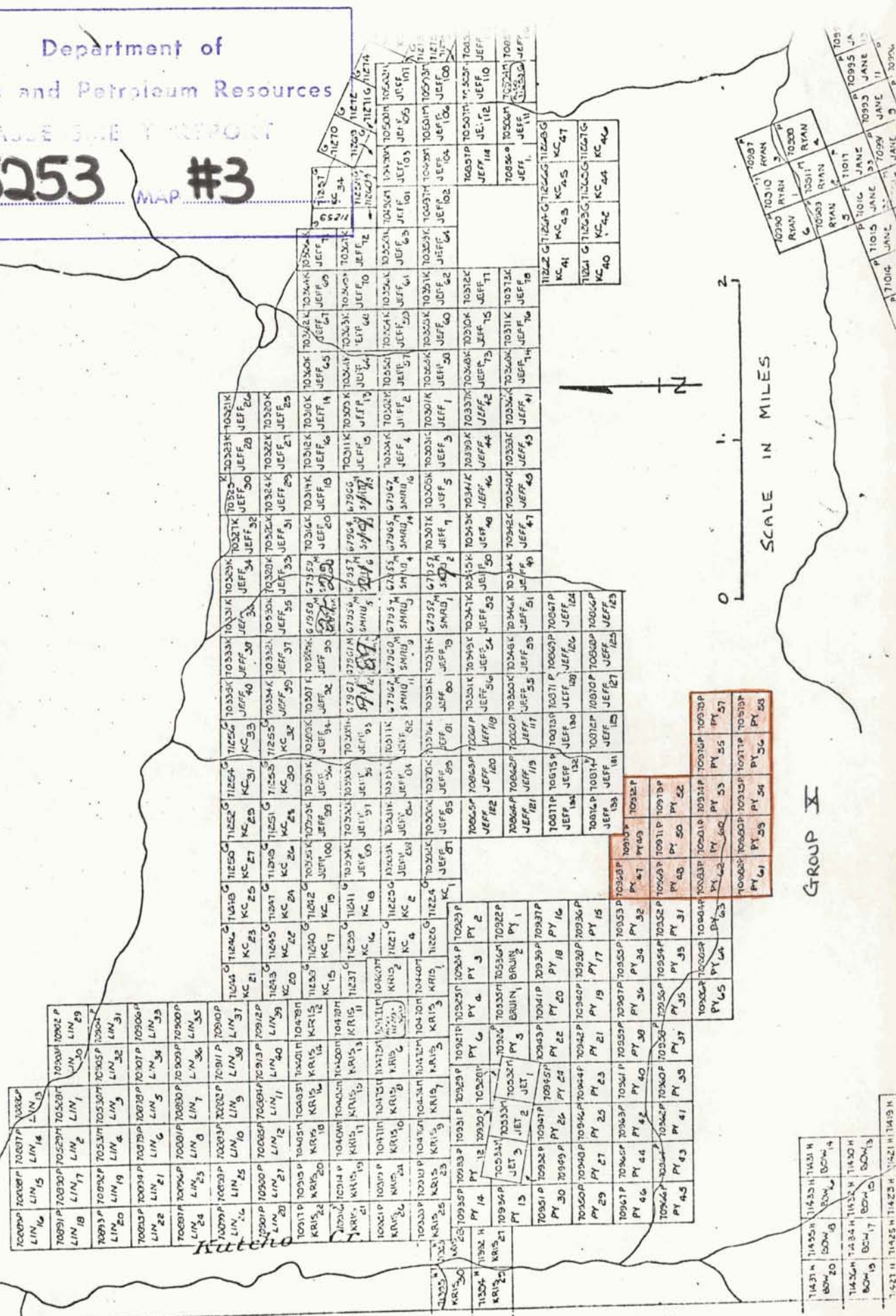
ASBESTOS REPORT  
NO. **5253** MAP **#3**

125° 30'

58° 15'

6

5



GROUP X

TO320P	TO321P	TO322P	TO323P	TO324P	TO325P	TO326P	TO327P	TO328P	TO329P	TO330P	TO331P	TO332P	TO333P	TO334P	TO335P	TO336P	TO337P	TO338P	TO339P	TO340P	TO341P	TO342P	TO343P	TO344P	TO345P	TO346P	TO347P	TO348P	TO349P	TO350P	TO351P	TO352P	TO353P	TO354P	TO355P	TO356P	TO357P	TO358P	TO359P	TO360P	TO361P	TO362P	TO363P	TO364P	TO365P	TO366P	TO367P	TO368P	TO369P	TO370P	TO371P	TO372P	TO373P	TO374P	TO375P	TO376P	TO377P	TO378P	TO379P	TO380P	TO381P	TO382P	TO383P	TO384P	TO385P	TO386P	TO387P	TO388P	TO389P	TO390P	TO391P	TO392P	TO393P	TO394P	TO395P	TO396P	TO397P	TO398P	TO399P	TO400P
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TO320P	TO321P	TO322P	TO323P	TO324P	TO325P	TO326P	TO327P	TO328P	TO329P	TO330P	TO331P	TO332P	TO333P	TO334P	TO335P	TO336P	TO337P	TO338P	TO339P	TO340P	TO341P	TO342P	TO343P	TO344P	TO345P	TO346P	TO347P	TO348P	TO349P	TO350P	TO351P	TO352P	TO353P	TO354P	TO355P	TO356P	TO357P	TO358P	TO359P	TO360P	TO361P	TO362P	TO363P	TO364P	TO365P	TO366P	TO367P	TO368P	TO369P	TO370P	TO371P	TO372P	TO373P	TO374P	TO375P	TO376P	TO377P	TO378P	TO379P	TO380P	TO381P	TO382P	TO383P	TO384P	TO385P	TO386P	TO387P	TO388P	TO389P	TO390P	TO391P	TO392P	TO393P	TO394P	TO395P	TO396P	TO397P	TO398P	TO399P	TO400P
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TO320P	TO321P	TO322P	TO323P	TO324P	TO325P	TO326P	TO327P	TO328P	TO329P	TO330P	TO331P	TO332P	TO333P	TO334P	TO335P	TO336P	TO337P	TO338P	TO339P	TO340P	TO341P	TO342P	TO343P	TO344P	TO345P	TO346P	TO347P	TO348P	TO349P	TO350P	TO351P	TO352P	TO353P	TO354P	TO355P	TO356P	TO357P	TO358P	TO359P	TO360P	TO361P	TO362P	TO363P	TO364P	TO365P	TO366P	TO367P	TO368P	TO369P	TO370P	TO371P	TO372P	TO373P	TO374P	TO375P	TO376P	TO377P	TO378P	TO379P	TO380P	TO381P	TO382P	TO383P	TO384P	TO385P	TO386P	TO387P	TO388P	TO389P	TO390P	TO391P	TO392P	TO393P	TO394P	TO395P	TO396P	TO397P	TO398P	TO399P	TO400P
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TO400P

DIAMOND DRILL CORE LOG

DRILL HOLE NO.      Jane A-1                      LOCATION:              Jane #22 claim  
AZIMUTH:              130°                      CORE SIZE:              BQ  
INCLINATION:          -50°                      CORE STORAGE:        Property

DESCRIPTION

FROM	TO	DESCRIPTION
0	9	Overburden and casing.
9	141	Quartz-Chlorite Schist: very fine-grained, green; predominantly quartzo-feldspathic debris; moderately sheared at 75° c/a; epidote and chlorite alteration, minor sericite.
141	162	Argillite: Aphanitic, black; strongly graphitic and calcic; interbedded lenses of greywacke (?); minor pyrite.
214	214	Quartz-Chlorite-Calcite-Epidote Schist: fine-grained, green; banded with chlorite rich and calcite rich bands; sericite on foliation planes at 80 - 85° c/a; minor epidote alteration; minor pyrite.
214	217	Argillite: like 141' - 162'.
217	275	Quartz-Chlorite-Calcite-Epidote Schist: like 162' - 214' but more calcic; also coarser-grained.
275	295	Tuff: fine-grained, grey; fragments of zeolite (?); minor chlorite and epidote; occasional argillaceous fragment.
295	307	Quartz-Chlorite-Calcite-Epidote Schist: like 217' - 275'.
307	307	END OF HOLE.

*J. Peter Neilans*





IMPERIAL OIL LIMITED

Minerals Section  
E. L. Pekar  
Chief Geologist, Western Canada

#314 - 1281 - W. Georgia Street  
Vancouver 5, B. C.  
Area Code 604 - 681-8231

MV-1233

File: 6053

November 12, 1974

Mining Recorder  
Liard Mining Division  
Victoria, B.C.

Dear Sir:

I am enclosing duplicate copies of the following documents as part of a diamond drilling and prospecting report on the Jane and Py mineral claims (Groups VIII and X) in the Kutcho Creek area.

1. A 1:250,000 map showing the location of the mineral claims.
2. A claim index map at 1.2" to 1 mile showing the two individual groups.
3. A 1 inch to 800 foot map of the Jane group showing the location of the drill hole and claim boundaries.
4. The drill core log for the drill hole.
5. A table summarizing the drilling.
6. A table and summary of costs for the drilling.
7. Copies of invoices from Arctic Diamond Drilling Ltd.
8. A Statement of Qualifications for P. Neilans.
9. A prospecting report for the Py claims with a list of expenditures.
10. A map showing prospecting area with traverse and outcrop locations.


Department of Mines and Petroleum Resources ASSESSMENT REPORT NO. <b>5253</b> MAP.....
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2....

MV-1233 ... page 2.

11. A Statement of Qualifications for P. Ziebart.
12. Notices to Group for Groups VIII and X.
13. Affidavits on Application to Record Work for Groups VIII and X.

Yours very truly,



J. Peter Neilans

JPN:lw

Encl.

- #1 Location map
- #2 Claim map (Group VIII)
- #3 Claim map (Group V)
- #4 Geology
- #5 Geology, diamond drilling

STATEMENT OF QUALIFICATIONS

I, J. Peter Neilans, of Vancouver, British Columbia, hereby certify the following qualifications:

(a) I obtained a B.A.Sc. degree in Geological Engineering (1973) from the University of British Columbia, Vancouver, B.C.

(b) I have been practising my profession as a geological engineer in Canada for the last year.

*J. Peter Neilans*

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J. Peter Neilans



November 5, 1974

PY CLAIMS PROSPECTING REPORT

I spent a total of ten days in the early part of August prospecting the PY claims Nos. 47 to 62. The work consisted entirely of conventional prospecting.

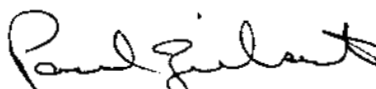
While working on the PY claims I stayed at a camp, maintained by Imperial Oil Limited, at Rainbow Lake. The camp is located 16 miles north of the claim block. Daily transportation to and from the claims was provided by a 206-A helicopter.

PY claims Nos. 47, 49, 51, 52 are underlain mainly by sericite schists which contain small areas of weakly disseminated pyrite. Outcrop exposure in this area is plentiful but a careful examination of these outcrops failed to reveal anything of significance. Several small pieces of float consisting almost entirely of pyrite were found on PY No. 47 but I was not able to locate their source.

The PY claims located to the south of the above-mentioned claims have less outcrop exposure and consist of limestone and argillites as well as sericite schists. With one exception, the mineralization is limited to a few small zones of disseminated pyrite. The most interesting showing on these claims was found on PY No. 62. This mineralization is in place and consists of several small bands ( $\frac{1}{4}$ " to  $\frac{1}{2}$ " wide) of massive pyrite in an acid volcanic. Pyrite is the only sulphide present.

Claims Nos. 55 and 56 are underlain by the same sericite schists and limestones and are exposed on top of a low ridge which divides the easterly and westerly flowing streams in this area. An examination of the outcrops and talus slopes failed to reveal anything of interest.

The two remaining claims (PY Nos. 57 & 58) are underlain by sericite schists and cherts. The outcrops here are limited to the creekbeds. The only mineralization found on these claims consists of sporadic patches of disseminated pyrite in some of the sericite schists.



Paul Ziebart

COST STATEMENT - GROUP VIII.

A. CAMP COST CALCULATION (for entire drilling project)

Equipment (tents, lumber, radios, etc.)	\$	6,268.10
Fuel (stove oil, propane, gas, etc.)		1,362.37
Food		3,489.14
Air Support (includes mobilization costs)		11,298.55
Fixed Wing	\$	3,360.21
Helicopter		7,938.34
		<hr/>
	TOTAL:	\$ 22,418.16
		<hr/> <hr/>

\$ 22,418.16 ÷ 348 man-days = \$64.42/man-day  
- camp costs were calculated at \$64.42/man-day

B. SALARY CALCULATION (Supervisory & Cook)

HOLE	DATES	PERSONNEL*	RATE	TOTAL
Jane A-1	25/7-26/7	P. Neilans (G)	1 d x \$35/d	\$ 128.00
		R. Wittebolle (A)	1 d x \$21/d	
		D. Lindwall (C)	2 d x \$36/d	

\* (G) Geologist, (A) Assistant, (C) Cook





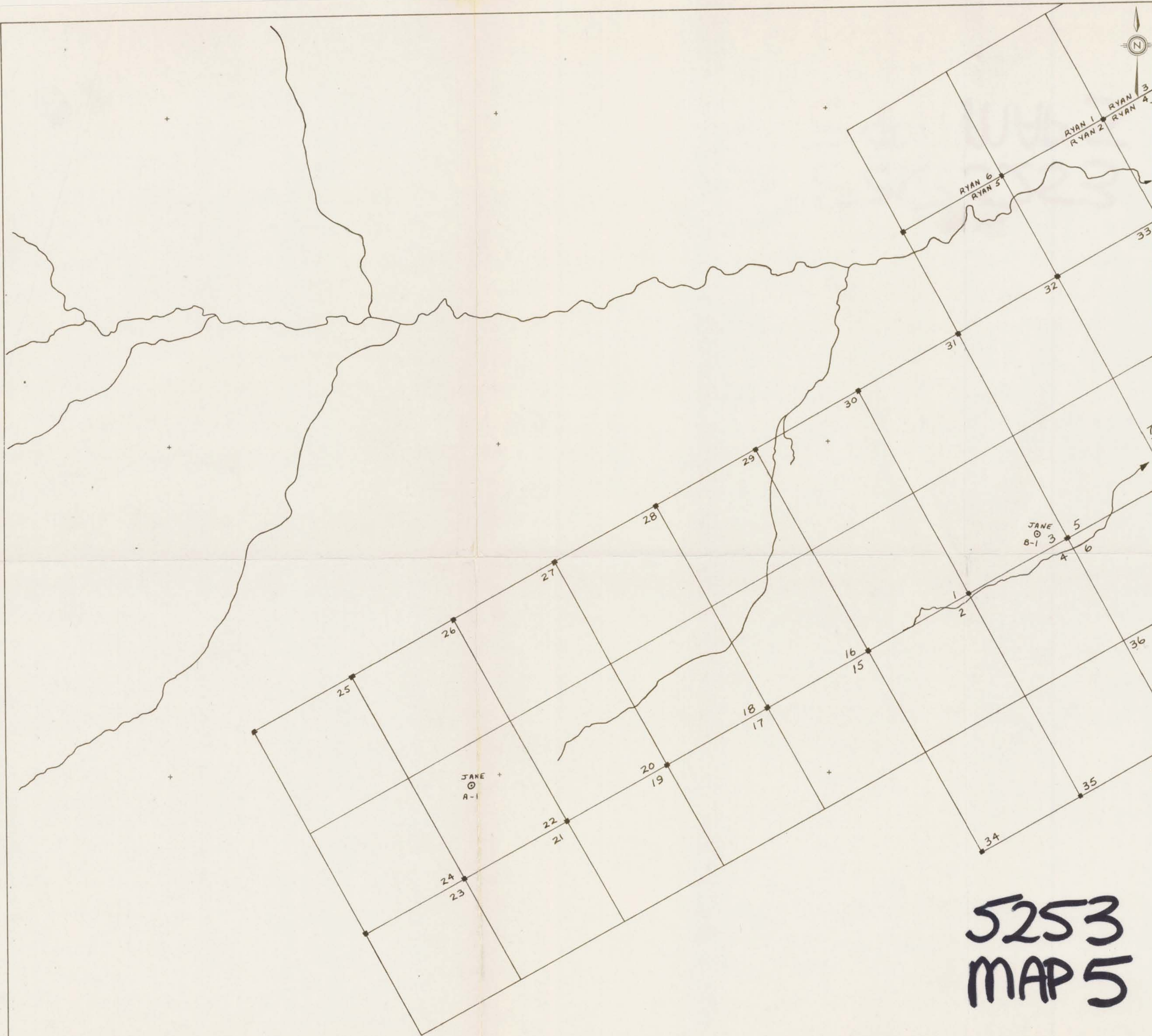
DRILL COST SUMMARY

GROUP NO. VIII

HOLE NO.	DIRECT DRILL.	MOB/DEMOB	FUEL	HELICOPTER	CAMP	SALARIES SUPERVISORY/COOK	TOTAL	COST/FOOT
Jane A-1	\$ 3,189.80	\$ 811.53	\$ 301.48	\$ 896.00	\$ 773.04	\$ 128.00	\$ 6,099.85	\$ 19.87

SUMMARY OF DRILLING - GROUP NO. VIII.

WELL NO.	GRID LOCATION	DATES	CONTRACTOR	DRILL TYPE	AZIMUTH	ANGLE	TOTAL LENGTH	HORIZ. PROJ.	VERT. PROJ.	TOTAL COST	COST/FOOT
Well A-1	L8W; 1+25S	25/7-26/7	Arctic Diamond Drilling Ltd.	BBS-1	130°	-50°	307'	197'	235'	\$ 6,099.85	\$ 19.87



LOCATION MAP  
 JANE c/s.  
 GROUP No. V. & VIII

Department of  
 Mines and Petroleum Resources  
 ASSESSMENT REPORT  
 NO. 5253 MAP #5

SYMBOLS

- Drift-covered area
- Rock outcrop, area of outcrop, float
- Geological boundary (defined, approximate interpreted)
- Bedding, tops known (horizontal, inclined, vertical, overturned, dip unknown)
- Bedding, tops unknown (inclined, vertical, dip unknown)
- Schistosity, gneissosity, cleavage, foliation (horizontal inclined, vertical, dip unknown)
- Lination, axes of minor folds (horizontal, inclined, vertical)
- Drag-fold (arrow indicates plunge)
- Fault (defined, approximate, interpreted)
- Fault (inclined, vertical)
- Fault (solid circle indicated downthrow side, arrows indicate relative movement)
- Thrust fault (approximate, interpreted)
- Shearing and dip
- Joint (horizontal, inclined, vertical, dip unknown)
- Syncline (defined, approximate)
- Anticline (defined, approximate)
- Anticline and syncline (overturned)
- Intensity (weak, moderate, strong)
- Trench
- Adit or tunnel
- Rock dump or tailings
- Quarry or mine
- Shaft, raise, winze
- Diamond-drill hole
- Contours 2500 C.I.
- Stream or creek (Perennial, intermittent)
- Marsh
- Lake
- Road
- Jeep Road
- Trail
- Trees

5253  
 MAP 5

1 in. = 800 ft.

IMPERIAL OIL LIMITED - MINERALS

*J. Peter Neilans*

Project No. \_\_\_\_\_ Mining Division LIARD

Latitude 58° 09' Longitude 128° 20' W.

NTS 104 I/1

To Accompany A Report By: R. W. O. & J. P. N.

Dated: Aug 27/74

Map No. 2