

# 5212

## 93N/7W

Assessment report on the IAN-B group of claims, situated 2 miles east of Ahdatay Lake, Valleau Creek area, Omineca Mining Division, British Columbia, N.T.S. 93N 6E, Longitude  $124^{\circ}47'30''$ , Latitude  $55^{\circ}20'30''$ , owned by and on behalf of Pechiney Development Ltd.

Field work from July 28 - August 2, 1974

Department of	
Mines and Petroleum Resources	
ASSESSMENT REPORT	
NO. 5212	MAP

Report by  
J.P. Guelpa, Geologist

*J.P. Guelpa*

October 16, 1974

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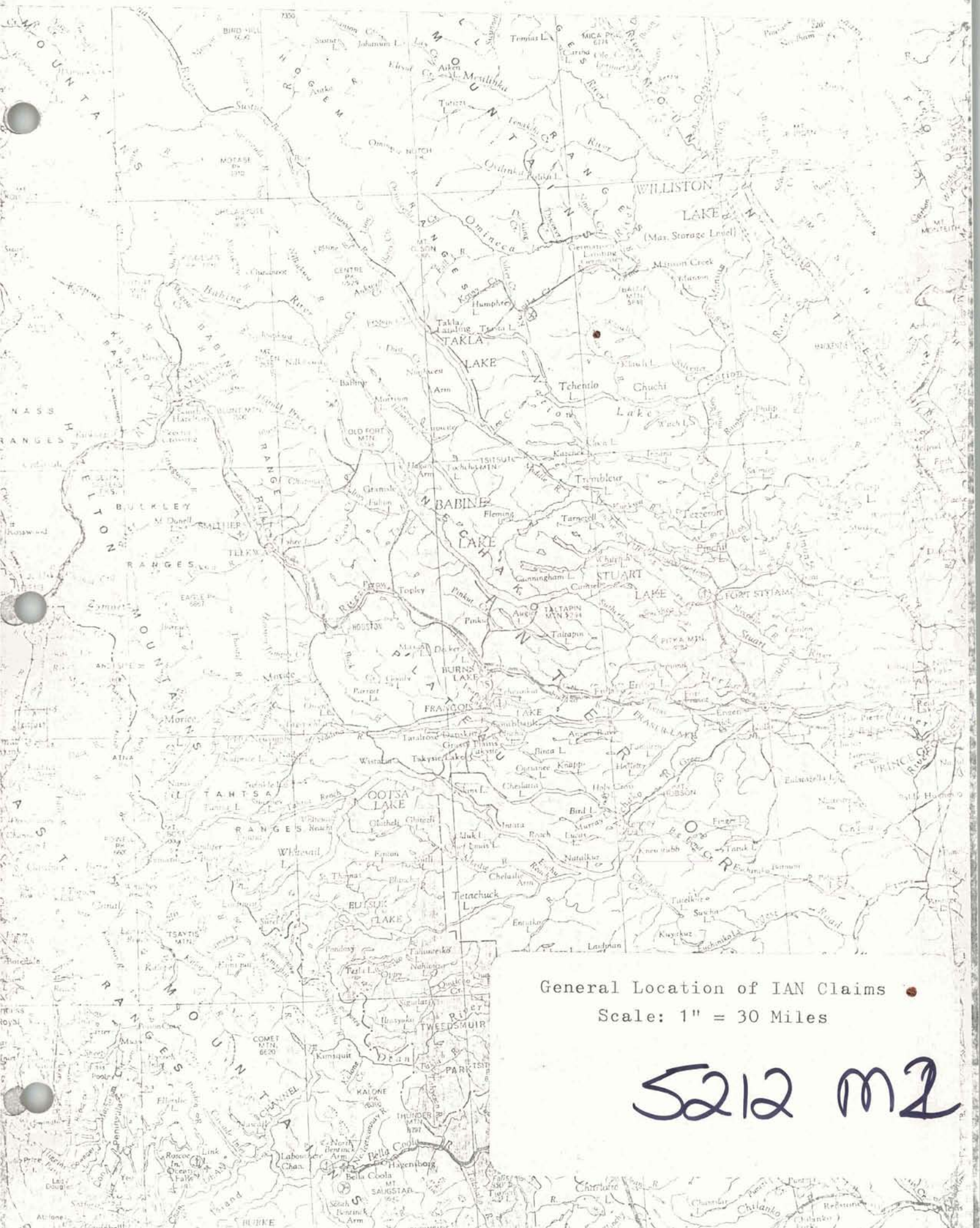
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MAPS

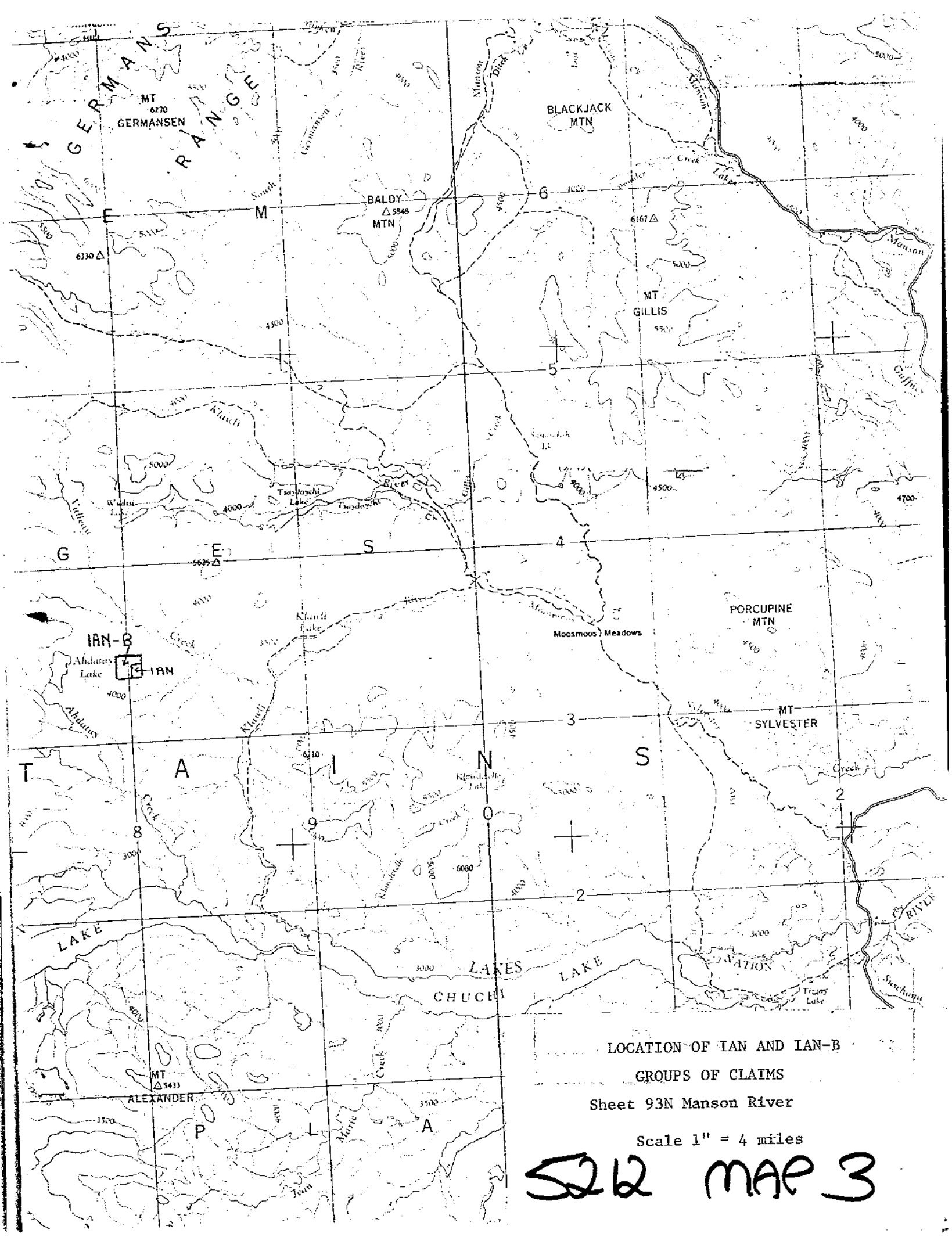
- #1 # 1 LOCATION OF DDH # 4  
Scale 1" : 400'
- #2 Location map 1" = 30 mi.
- #3 " " 1" = 4 mi.



General Location of IAN Claims ●

Scale: 1" = 30 Miles

5212 M2



LOCATION OF IAN AND IAN-B  
GROUPS OF CLAIMS

Sheet 93N Manson River

Scale 1" = 4 miles

S212 MAP 3

I CLAIMS - LOCATION - ACCESS

The IAN-B group of claims consists of 27 contiguous full-sized claims which are recorded as follows:

<u>Claim Name</u>	<u>Record No.</u>
IAN 7	116 608
IAN 8	116 609
IAN 9	116 610
IAN 10	116 611
IAN 11	119 422
IAN 12	119 423
IAN 13	119 424
IAN 14	119 425
IAN 15	119 426
IAN 16	119 427
IAN 17	119 428
IAN 18	119 429
IAN 19	119 430
IAN 20	119 431
IAN 21	119 432
IAN 22	119 433
IAN 23	119 434
IAN 24	119 435
IAN 25	119 436

<u>Claim Name</u>	<u>Record No.</u>
IAN 26	119 437
IAN 27	119 438
IAN 28	119 439
IAN 29	119 440
IAN 30	119 441
IAN 31	119 442
IAN 32	119 443
IAN 33	119 444

The IAN-B group of claims is situated 72 miles NNW of Fort St. James and 32 miles SSW of GERMANSSEN Landing. This group is adjoining another group which consists of IAN 1 to IAN 6 mineral claims.

Access to the IAN-B group of claims is by helicopter from either Fort St. James or GERMANSSEN Landing.

## II TOPOGRAPHY

The IAN claims lie between elevations of 4000 and 4300' across gentle hills which are entirely timbered.

III PREVIOUS WORK

- Geological mapping in 1972
- Geochemical survey and IP survey (McPhar Geophysics Ltd.)  
in 1973

IV WORK DONE

One drill hole, D.D.H. # 4 (it belongs to a series that was started on the adjoining IAN group: IAN # 1 - 6 incl.), was drilled on IAN # 9 between July 28 and August 2nd, 1974.

The contractor was Wright Drilling Ltd. of Kamloops, B.C. The hole was set up over a 1973 anomaly that coincides with a soil anomaly.

V DRILL HOLE LOGS

Please see attached drill logs.

Respectfully submitted,

*J. P. Guelpa*  
J.P. Guelpa,  
Geologist

The work described in the above report was under the direct supervision of the undersigned.



W. G. Hainsworth, P. Eng.  
Canadian Exploration Manager





# PECHINEY DEVELOPMENT LTD. DRILLING RECORD

SHEET No. 2

PROPERTY IAN

HOLE No. 4

DRILLED BY Wright Drilling

CLAIM No. \_\_\_\_\_

BEARING \_\_\_\_\_

STARTED: 29.7.1974

DIP - 90°

TERMINATED: 1.8.1974

COORDINATES 1000N 1600W

LENGTH 500'

LOGGED BY: P. Plicka

DIAMETER AQ

ELEVATION \_\_\_\_\_

FOOTAGE		% RECOVERY	DELTA ANGLE	DESCRIPTION AND REMARKS	SAMPLE			ASSAY	
FROM	TO				NO.	FROM	TO	Cu	Mo
				238' - 239' pyrrhotite Cu traces	2226	318'	318'6"		
				250' - 250'2" solid pyrrhotite					
				265' - 266' broken, slips, chlorite					
				269' - 270' broken, slips, chlorite					
				272' epidote broken, slips, chlorite					
	283'6"			273' - 275' epidote broken, slips, chlorite					
283'6"	294'6"			Brown andesite epidote, calcite, carbonate & slips					
294'6"				same as 38'4" - 283'6"					
				313' - 314' slips - chlorite					
				318' epidote, pyrrhotite					
				350' - 354' broken, slips, chlorite					
				335' - 355'6" broken, slips, chlorite					
				356' - 358'6" broken, slips, chlorite					
				361' - 364'6" broken, slips, chlorite					
				357'8" - 369'3" broken, slips, chlorite					
				379' epidote & calcite & carbonates					
				383' - 393' pyrrhotite & traces Cu					
				393' - 398'9" calcite, pyrrhotite					
				438'4" - 438'8" calcite, pyrrhotite traces					
	500'			489' - 494' broken, slips, chlorite					
				500' end of hole Dip test 250' - 90° 500' - 87°					

APPENDIX I

Personnel Certificate

GUELPA,

Jean Paul: Geologist. Graduate of University of Lyon, France, in 1966. Since then engaged in mineral exploration in Quebec with the Department of Natural Resources and in B.C. with Mokta Canada Ltd. and at present with Pechiney Development Ltd.

CONTRACTOR

WRIGHT DRILLING LTD., Kamloops, B.C.

APPENDIX II

Cost Statement

(Extracts from Contractor's Statements)

1. July Statement

Moving drill to hole # 4 half of the cost \$992.75	\$ 496.00
Drilling hole # 4	3,094.00
Reaming cost for hole # 4	113.57

2. August Statement


Coring hole # 4	1,231.00
Acid testing hole # 4	15.91
Moving drill and camp from site # 1 to site # 2 1/3 of the cost \$2,660	885.00

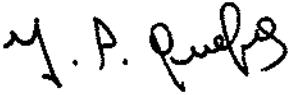
3. Helicopter support for Hole # 4  
Okanagan Helicopters 6 hrs. @ \$300/hr  
out of Germansen Landing

1,800.00

T o t a l                   \$ 7,630.00

\$5,400.00 to be applied to IAN # 7 - IAN # 33 incl. for one year assessment.

  
W. G. Hainsworth, P. Eng.  
Canadian Exploration Manager

  
J. P. Guelpa,  
Geologist

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APPENDIX III

*Germansen Landing*

THIS AGREEMENT made this 27th day of May, 1974.

WITNESSETH:

PECHINEX DEVELOPMENT LIMITED,  
Suite 701 - 744 West Hastings,  
Vancouver 1, B.C.

Hereinafter referred to as the COMPANY  
of the first part.

AND:

WRIGHT DRILLING LTD.,  
1510 Windward Place,  
Kamloops, B.C. V2B 1A6

Hereinafter referred to as THE CONTRACTOR  
OF THE SECOND PART.

WHEREAS the Company has requested the Contractor to complete a minimum of 3000 feet of drilling and other services as set forth on the property of the Company in the GERMANSEN-AREA in the Province of British Columbia.

AND WHEREAS the Contractor has agreed to do the said Diamond Drilling and to perform the other services requested upon the terms, conditions and provisos herein contained.

NOW WHEREFORE this agreement Witnesseth that in consideration of the payment of the amounts herein stipulated and of the mutual covenants hereinafter contained, the parties agree as follows:

THE Company is responsible for all rights of ingress, egress and permits required for cutting timber on access roads and drill sites.

SCHEDULE OF RATES - CORING

THAT the Company hereby employ the Contractor to drill on said property a series of bore holes using a AQ core barrel producing a core of approximately 1 1/16 inches. The Company agrees to pay the following schedule of rates:

<u>FROM</u>	<u>TO</u>	<u>PRICE/FOOT</u>
0' - 400' in depth		\$8.50
<u>Casing</u>		
0' - 25' in depth		\$8.50
25' - 50' in depth		\$9.50
50' - over		Field Cost

MOVING BETWEEN HOLES - SETTING UP - TEARING DOWN:

The above work would be carried out on a Field cost basis. Tractor or Helicopter, supplied at no cost to the Contractor.

TRANSPORTATION:

The Contractor will move his surface drill and auxillary equipment from his base to Germansen Landing and return from Germansen Landing to his base for the lump sum of \$600.00. The movement of men, equipment and supplies from Germansen Landing to first drill site and return from last site to Germansen Landing would be performed on a non - operating field cost basis.

WATER SUPPLY:

The above schedule includes the laying, maintaining and removal of the waterlines up to a distance of 2000 feet and/or lifts of 200 feet. Should the distance be greater, then the supplying of the water would be pro-rated above distance to the Contractors account and the "over" to the Company on a Field Cost basis. Heating water, if ever necessary, would be on a Field Cost basis.

Dip testing, Delay time or other time which the Contractors crew performing services, for the Company, not otherwise covered herein, performed at a Field Cost basis.

DRILLING WITH MUD:

Should mud be required to help penetrate the overburden and/or aid in core recovery, it would be supplied at cost on the drill site, plus ten percent. Time employed mixing mud and stabilizing the drill hole would be charged on a Field Cost basis.

CEMENTING:

That the Company agrees to pay the Contractor for the cementing of the bore holes to stop cave-ins on an operating Field Cost basis. Waiting for cement to set would be charged on a non-operating Field Cost basis.

REAMING AND CASING:

That the Company agrees that all reaming and casing that is necessary to stop cave-ins or maintain the return flow of water shall be complete at the Company's request and that the cost of performing such reaming and placing of such casing as may be required will be charged on a Field Cost basis. Casing would be charged at the rate of \$0.60 per reamed foot.

DIRECTIONAL AND CONTROLLED DRILLING:

That it is mutually agreed that directional drilling to change the direction of a bore hole and controlled drilling to maintain the angle of a bore hole shall not be part of this agreement.

SECURITY:

That the Contractor will not give out any information regarding drill results or access to core to any person other than to the Company's representative.

BOARD AND LODGING:

The Contractor will supply his own camp at no cost to the company. The setting up and tearing down camp will be on a non-operating Field cost basis. On field cost work camp and cook will be charged out at \$35.00 per day.

CORE BOXES:

If requested, would be supplied on the drill site at cost, plus ten percent.

DRAWING SITES:

That the Contractor agrees to case and drill on the sites and at angle and azimuths selected by the Company's representative and to follow the instructions of the said representative relating to place and time of drilling.

PAYMENTS:

That the Company agrees to make payments at the rates herein before specified in accordance with the terms hereinafter set out, that is, for all work done hereunder between the first and 15th day and the 16th and last day of the month, payment shall be due and payable in 15 days. Interest at a rate of twelve percent per annum shall be added to all accounts more than thirty days overdue, from date of invoice. These payments shall be made as the work progresses in conformity with the Contractor's semi-monthly invoices.

HELICOPTER:

All cost of Helicopters will be on the Company's account.

FIELD COST:

That the Company agrees that the following rates shall apply when certain work as defined in this Contract is performed on a Field cost basis. "FIELD COST" is defined as all direct labour, including supervision, drill and support equipment per hour, and cost pipe or casing lost, Diamond loss, materials and supplies consumed, fuel and camp at cost, plus ten percent.

FIELD COST:

	\$7.50 per man hour
Equipment	\$6.50 per drill hour
	\$25.00 per drill shift

NON-OPERATING FIELD COST:

Labour	\$7.50 per man hour
Drill equipment	N/C
Truck	\$25.00 per day

THE COMPANY AGREES:

Should cavities, loose or caving ground or excessive water flow be encountered in a hole so that future drilling in that hole is deemed impracticable, that hole, by mutual consent, be abandoned and the Contractor be paid at rates so specified herein for all footage completed in that hole. However, should the Company request that further work be carried out in the hole beyond this point, then the Contractor shall continue work in the hole, such continuing work shall be at Field Cost rates, so long as the abnormal conditions noted above persist, and normal drilling is not possible.

COMPENSATION:

That the Contractor agrees that the men employed by him in the performance of this Contract shall be fully covered under the Workmen's Compensation laws according to the Province of British Columbia and will keep such men covered and will pay the assessment required and will protect the Company from any action arising therefrom, excluding however, claims arising out of any negligent act or omission of the Company, its servants or agents.

INSURANCE AND GENERAL:

That the Contractor, at its own cost, shall maintain insurance to the following limits: Liability and Property Damage - \$500,000.00.

That the Contractor does not guarantee to drill any hole to any specified depth. The Contractor will, however, expend every reasonable effort to complete all holes to the satisfaction of the Company.

Should this drill program be continue beyond the road closure to Fort St. James, it will be the Company's responsibility to move drill equipment and supplies to Fort St. James at no cost to the Contractor.

IN WITNESS WHEREOF these presents have been executed by the parties hereto the day and year first above written:

SEEN, SEALED AND DELIVERED  
in the presence of

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

BECHINEY DEVELOPMENT LIMITED.

\_\_\_\_\_

WRIGHT DRILLING LTD.,

\_\_\_\_\_



June 5, 1974

AMENDMENT to Contract at Germansen Landing drill program:

RE: BOARD AND LODGING

The Company will supply all groceries, expiditing and all transportation at no cost to the Contractor, but with expense keep to a minimum.

PECHINEY DEVELOPMENT LIMITED

---

WRIGHT DRILLING LTD.

---

*W. Wright*

OUR NUMBER

28738

DATE

23 AUG, 1974

CUSTOMER'S ORDER

SALESMAN

TERMS

F. O. B.

WEIGHT DRILLING LTD.  
1510 WINDWARD PLACE  
KAMLOOPS B.C. V2E 1A6

SOLD TO PECHINEY DEVELOPMENT LIMITED  
#701 - 744 W HASTINGS ST. VANCOUVER

SHIPPED TO \_\_\_\_\_

ADDRESS \_\_\_\_\_ VIA \_\_\_\_\_

INVOICE

DIAMOND DRILLING AUG 1-15

\$8,674.76

*[Handwritten signature]*  
PAID  
CK 1684  
SEP 25 1974

PECHINEY DEVELOPMENT LIMITED

Per \_\_\_\_\_

TOTAL

\$8,674.76

BREAKDOWN FOR INVOICE #28758 AUG 1-15, 1974

HOLE # IV

CORING 364' - 400' - 36' @ \$8.50 = \$306.00  
 400 - 500 100' @ 9.25 = \$925.00

J.P. Pugh \$1,231.00

ACID TESTING HOLE # IV

LABOR 1 MAN HR. @ \$7.50 = \$7.50  
 EQUIP .5 MACH. HR @ 6.50 = \$3.25  
 TRUCK .5 HR @ 3.13 = 1.57  
 CAMP .5 HR @ 3.50 = 1.75  
 TUBE .40

17.47

PLUS 10%

1.45

J.P. Pugh \$15.92

MOVING DRILL & CAMP FROM SITE #1 TO SITE #2

LABOR 293.5 MAN HRS @ 7.50 = \$2,201.25  
 EQUIP 45 MACH. HRS @ 6.50 = 292.50  
 TRUCK 5 DAYS @ 25.00 = 125.00  
 PLUS 10% OF \$417.50 = 41.75

J.P. Pugh \$2,660.50

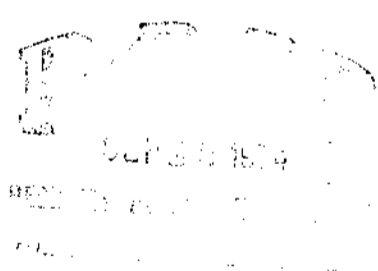
DRILLING HOLE #1

EASING 0 - 8' - 8' @ \$8.50 = \$68.00  
 CORING 8 - 300 - 292' @ 8.50 = 2,482.00

J.P. Pugh \$2550.00

ACID TESTING HOLE #1

LABOR 4 MAN HRS @ 7.50 = \$30.00  
 EQUIP 2 MACH HRS @ 6.50 = 13.00  
 TRUCK 2 HRS @ 3.13 = 6.26  
 CAMP 2 MAN HRS @ 3.50 = 7.00  
 FUEL 4 GALLONS @ .91 = 3.64  
 PLUS 10% OF \$29.90 = 2.99



J.P. Pugh \$62.89

MOVING FROM HOLE #1 TO HOLE #2

LABOR 94 MAN HRS @ \$7.50 = \$705.00  
 EQUIP 24 MACH. HRS @ \$6.50 = 156.00  
 TRUCK 24 HRS @ 3.50 = 84.00  
 PLUS 10% OF \$315.12 = 31.51

\$1,057.63

ADDITIONAL COST FOR SETTING UP & PUMPING WATER

LABOR 59.5 MAN HRS @ \$7.50 - \$446.25  
 EQUIP 29.5 MACH HRS @ \$6.50 - 191.75  
 TRUCK 29.5 HRS @ \$3.13 - 92.34  
 CAMP 29.5 MAN HRS @ \$3.50 - 103.25  
 PLUS 10% OF 387.34 - 38.73

\$872.32

DRILLING HOLE #2

CASING 0.4' - 4' @ \$8.50 - \$34.00  
 CORING 4-13 - 9' @ \$8.50 - 76.50

110.50

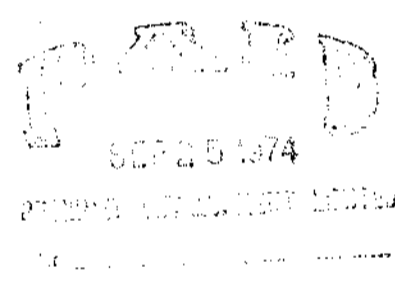
CHARGES FOR WALKING TIME

LABOR 16 MAN HRS @ \$7.50 - \$120.00

120.00

TOTAL

\$8,074.76




WRIGHT DRILLING LTD.  
1510 - WINDWARD PLACE  
KAMLOOPS, B.C.

SOLD TO PECHINEY DEVELOPMENT LIMITED  
STE 701 - 744 W. HASTINGS VAN. I. BC.  
SHIPPED TO \_\_\_\_\_  
ADDRESS \_\_\_\_\_ VIA \_\_\_\_\_

OUR NUMBER	28732
DATE	7 AUGUST 1974
CUSTOMER'S ORDER	
SALESMAN	
TERMS	
F. O. B.	

INVOICE

DIAMOND DRILLING JULY 16 - 31/74	\$ 9973.47
<i>AK 160</i>	
<i>ch 1648</i>	
<i>AUG 30 1974</i>	
<i>TOTAL</i>	<i>\$ 9,973.47</i>

 BLUENINE D 91

GN 800/657 Drilling

MOBILIZATION

\$ 300.00

MOVING EQUIPMENT TO DRILL SITE #1 & SETTING UP

DRILL & CAMP

LABOR	136 MAN HRS @ \$7.50	\$1,050.00
TRUCK 4X4 -	3 DAYS @ 25.00	75.00
TRUCK 4 TON	1.5 DAYS @ 50.00	75.00
CAMP	3 DAYS @ 35.00	105.00
FUEL	20 GALS @ .91	18.20

\$1,323.20

DRILLING HOLE # 1

CASING	0-4' - 4' @ \$8.50	34.00
CORING	4-54' - 50' @ 8.50	425.00

\$ 459.00

REAMING COST HOLE #1

LABOR	2 MAN HRS @ \$7.50	\$15.00
EQUIP	1 MACH HR @ 6.50	6.50
TRUCK	1 HR @ 3.13	3.13
FUEL	3 GALS GAS @ .91	2.73
CAMP	1 HR @ 3.50	3.50
	1 AW CASING SHOE	95.81
	PLUS 10% OF \$111.67	11.17

\$1,378.4

RESETTING DRILL TO HOLE #2

LABOR	4 MAN HRS @ \$7.50	30.00
EQUIP	2 MACH HRS @ 6.50	13.00
TRUCK	2 HRS @ 3.13	6.26
CAMP	2 HRS @ 3.50	7.00
	PLUS 10% OF \$26.26	2.63

\$ 58.89

DRILLING HOLE #2

CASING	0-7' - 7' @ 8.50	\$59.50
CORING	7-100' - 93' @ 8.50	790.50

\$ 850.00

REAMING COST HOLE #2

LABOR	11 MAN HRS @ 7.50	\$82.50
EQUIP	5.5 MACH HRS @ 6.50	35.75
TRUCK	5.5 HRS @ 3.13	17.22
CAMP	5.5 HRS @ 3.50	19.25
FUEL	16.5 GALS @ .91	15.02
	1 AG 100 SERIES BIT	178.00
		<u>347.74</u>
	PLUS 10% OF 265.24	26.52

\$ 374.2

## MOVING TO HOLE #3

LABOR	-	30 MAN HRS @ \$7.50	-	\$225.00
EQUIP		11 MACH HRS @ 6.50	-	71.50
CAMP		11 HRS @ 3.50	-	38.50
TRUCK		11 HRS @ 3.13		34.43
FUEL		10 GALS @ .91		9.10
				\$ 378.53
PLUS 10% OF \$153.53				15.35

\$393.88

## DRILLING HOLE #3

CASING	0-6' - 6' @ \$8.50	\$51.00
CORING	6-103' - 97' @ 8.50	824.50

\$875.50

## REAMING COST HOLE #3

LABOR	-	14 MAN HRS @ 7.50	\$105.00	
EQUIP	-	7 MACH HRS @ 6.50	45.50	
CAMP		7 HRS @ 3.50	24.50	
TRUCK		7 HRS @ 3.13	21.91	
FUEL		21 GALS @ .91	19.11	
				216.02
PLUS 10% OF \$111.02				11.10

\$227.12

## MOVING DRILL TO HOLE #4

LABOR	90 MAN HRS @ 7.50	\$675.00
EQUIP	22 MACH HRS @ 6.50	143.00
CAMP	22 HRS @ 3.50	77.00
TRUCK	22 HRS @ 3.13	68.86
PLUS 10% OF 288.86		28.89

\$992.75

## DRILLING HOLE #4

CASING	0-15' - 15' @ \$8.50	\$127.50
CORING	15-364' - 349' @ 8.50	2966.50

\$3094.00

## REAMING COST FOR HOLE #4

LABOR	7 MAN HRS @ 7.50	\$52.50
EQUIP	3.5 MACH HRS @ 6.50	22.75
CAMP	3.5 HRS @ 3.50	12.25
TRUCK	3.5 HRS @ 3.13	10.96
FUEL	10.5 GALS @ .91	9.56
PLUS 10% OF \$55.52		5.55

\$113.57

COST FOR 2000' OF PLASTIC HOSE @ .30 (REQUESTED BY CLIENT) 600.00

ADDITIONAL COST FOR SECOND SHIFT REQUESTED

BY CLIENT

BUS FARE	KAMLOOPS - PR. GEORGE	\$ 26.30
TAXI	BUS DEPOT - AIRPORT	10.00
AIR FARE	PR. GEO - GERMANSEN LNDC.	80.00

\$ 116.30

FREIGHT CHARGES (GEOC. FT. ST. JAMES - GERM. LNDC)

\$ 17.88

CHARGES FOR ACID TESTING

LABOR	2 MAN HRS @ \$1.50	\$15.00
EQUIP	1 MACH HR @ 6.50	6.50
TRUCK	1 HR @ 3.13	3.13
CAMP	1 HR @ 3.50	3.50
	2 TUBES @ .40	.80
	1 BOTTLE ACID	4.83
		<u>33.75</u>

PLUS 10% OF 18.76

1.88

\$ 35.63

COST OF OIL

2 QT. MOTOR OIL @ 1.15	2.30
1 QT. OUTBOARD OIL @ 1.35	1.35

3.65

TOTAL

\$ 9,973.47



# IAN B GROUP OF CLAIMS

LOCATION OF DDH 4.

Department of  
Mines and Petroleum Resources  
ASSESSMENT REPORT  
NO. 5212 MAP #1

SCALE: 1" = 400'

SEPT 1973




## LEGEND

Mo, Zn  
Cu, Mn

○ Isograde Mo

○ Isograde Cu

□

Anomalie IP  definite  
 probable  
 possible

▲ Location of DDH 4.

Coordinates from 1 Post: IAN 9 = 1000N, 100W

— Contour of IAN-B Group

To accompany assessment report by  
J-P GUELPA geologist Oct. 16 1974  
J.P. Guelpa

# 5212 M1

