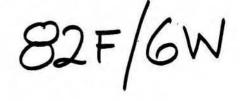
# 50741

Diamond Drilling Report

on

#### THE PALMER OPTION PROJECT

Par 74 Claim Group 49°26'N; 117°30'W 82F/6W



Nelson Mining Division

by

J. Paxton P. Eng.

for

The Granby Mining Company Limited

PHOENIX COPPER DIVISION

Box 490, Grand Forks, B.C.

Field Work and Report: J. Paxton P. Eng.

Field Work Period: July 15 to August 30, 1974

Department of

Mines and Petroleum Resources

ASSESSMENT REPORT

3014 MA

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APPENDIX I - Drill Logs

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## MAPS IN POCKET

# LOCATION MAP - Scale 1" = 1500'

# DRILL HOLE LAYOUT AND SECTION - Scale 1" = 40', 1" = 20'

# S. Surface plan

# + Claim inap

#### SUMMARY

In 1973 claims in an area on the projected strike of the Mineral King Mine four miles to the south of Nelson, B.C. were optioned from Mr. Palmer of Nelson. Additional claims were staked in the area by Granby personnel. In July of 1974 an attempt was made at building an access road to the property but was frustrated by lack of permission from the E.C. Forest Service. In August of 1974 a diamond drill was flown to the property by helicopter and three holes were drilled totalling 610 feet. Results were disappointing. The holes intersected pyritic sericite schists and quartzites with only traces of visible base metal sulphides. All the core was split and racked on the site. The best assay result obtained was:

DDH 3 - 0,0365 3/100 Au; 0.126 of ton Ag over 10 feet

Total cost of the project was \$19,000 including the work with the Cat.

James Paxton, P. Eng. Senior Mine Geologist.

#### HISTORY OF THE AREA

Serious prospecting in the area began in the 1880's. In 1886 the Hall Brothers staked the Silver King group of claims on the west slope of Toad Mountain, three miles south of Nelson. Production of ore began in 1889 and continued intermittently until 1948. In this period 222,246 tons of ore were produced from several parallel shear zones trending approximately N60°W. Grade of the ore (Ref. - Minister of Mines, B.C. Annual Reports) was as follows:

Gold	0.0012 oz/ton
Silver	19 oz/ton
Copper	3.36%
Lead	0.069%
Zinc	0.016%

These shear zones were traced by prospecting and hand trenching on strike to the northwest ackross the basin of Giveout Creek and over Morning Mountain to Sandy Creek. Many small shafts and adits were sunk on these zones but only the Silver King, had any appreciable production. In the 1930 to 1950 period a small amount of high grade ore was produced from the old workings by small operators. Mr. K. C. Fahrni examined a number of showings and old working in the area on behalf of Granby in 1946 and his report is on file. (No. 2040) In the period 1950 to 1970 control of the main mining area around the Mineral King Mine was held by Cominco Ltd. of Trail, B.C. and by Sproatt Silver Mines Ltd. of 333,885 Dunsmuir Street, Vancouver, B.C. The portion of the Mineral King shear zone crossing

Morning Mountain was acquired by Mr. Richard Palmer of Nelson, B.C.

Granby's renewed interest in the area was originated by Mr. G. B.

Hardwicke, who in researching old reports in the Granby file and the old

Minister of Mines Reports, noted mention of widespread, low grade mineralization around the high grade copper-silver veins in the Silver King

Mine area. In 1973 Mr. Hardwicke staked several claims in the area for

Granby and entered into an agreement with Mr. Palmer for an option to

purchase his claims in the area. In 1974 an attempt was made to build

a read into the area with the idea of trenching along the ridge of Morning

Mountain to test the presence of the Mineral King shear zone. Permission

to do this work could not be obtained from the B.C. Forest Service so a

small diamond drill was moved in by helicopter and three holes were

drilled to test the most promising areas. This work is described in detail

in this apport.

# GEOLOGY OF THE AREA

According to the only geological map available to the writer (1090A Nelson, west half, by H.W. Little, 1960) the Palmer property lies on the west limb of a syncline trending north-south between Nelson and Salmo. The syncline is composed of andesites and tuffs of the lower Jurassic. Rossland Formation, overlain in the core of the syncline by argillite and sandstone of the Hall Formation. The syncline is surrounded by, and intruded at numerous points by plutonic diorite, quartz diorite and porphyritic syenite of the Nelson Batholith.

According to other reports, listed at the end of this section,

the north end of the syncline is cut by three parallel shear zones trending The Mineral King Mine lies on the strongest of these shear zones. The Palmer property covers the presumed projection of two of these shear zones. The drilling done in this report was done to test the existance and mineralization of these shear zones on the property. The old time prospectors tried to trace the shear zones with a series of trenches and shallow shafts. The writer examined several of these showings but could see no major shear structure linking them together and none was intersected in the subsequent drilling. Most of the showings examined were in a wilespread uniform zone of strongly foliated pyrite - sericite schist. Within the schist small lenses and cross-fractures occur, filled with, quartz, limonite, sphalerite, galena and chalcopyrite. To the north of drill hole No. 3 there was a sharp contact with quartzitic rocks. These quartzites were strongly pyritized similar to the schist. They may belong to the Ymir Group of Jurassic rock as shown on Little's map. The widespread desseminated pyrite mineralization seen in the drill core in both the shistose and quartzitic rocks is probably syngenetic and is earlier then the epigenetic quarz-base metal veinlets seen in the old workings.

Copies of the following reports are at hand and were read in preparation for this report:

- Giveout Creek Group, Nelson M.D. by K.C. Fahrni, July, 1946.
- Examination Report covering the Starlight, Victoria, Jessie, North Star, Great Western, Great Eastern and Irene claims for Privateer Mines Limited. by W.S. Ellis, 1945.

- 3. A report containing lengthy extracts from reports made by E. Nelson Fell M.E., A.R., S.M., in 1899 and 1911 written in 1936 covering the Kootnia Star, Golden Star, Starlight, Woodstock and Calgary claims. by A. St. Clair Brindle M.E., 1936.
- A report for Cominco Limited on the Silver King and surrounding properties.
   by G.F. Waring, 1952.

Unfortunately the maps which originally accompanies Mr. Waring's report were not available.

#### ROAD WORK

A number of wagon roads and pack horse trails were made in the early days in the Giveout Creek Valley. Most of these trails have since grown in but some have been maintained and extended by loggers. One of these roads reaches the northwest corner of the Golden Star claim. Mr. Palmer har made an extension to this road about 4000 feet southwest along the west fork of Giveout Creek, but by 1974 this road was badly washed out and was impassable to vehicles. In 1974 it was planned to bring in a D-6 Cat and repair Mr. Palmer's road and extend it another 4000 feet westward to the crest of Morning Mountain and there test the shear zone with a 1000 foot north-south cat trench. In July, 1974 the D-6 Cat was moved in and Palmer's road was repaired to the point where it was passable in dry weather to 4WD vehicles. Work was halted at this point since it was found that permission to build new road and do the trenching could not be obtained from the B.C. Forest Service in a reasonable time.

Since the road could not be completed, it was decided to test the shear zone by moving in a light diamond drill with a helicopter, and

further work on the road was discontinued. Palmer's road was used for personal access and for moving out the supply pump for the drill.

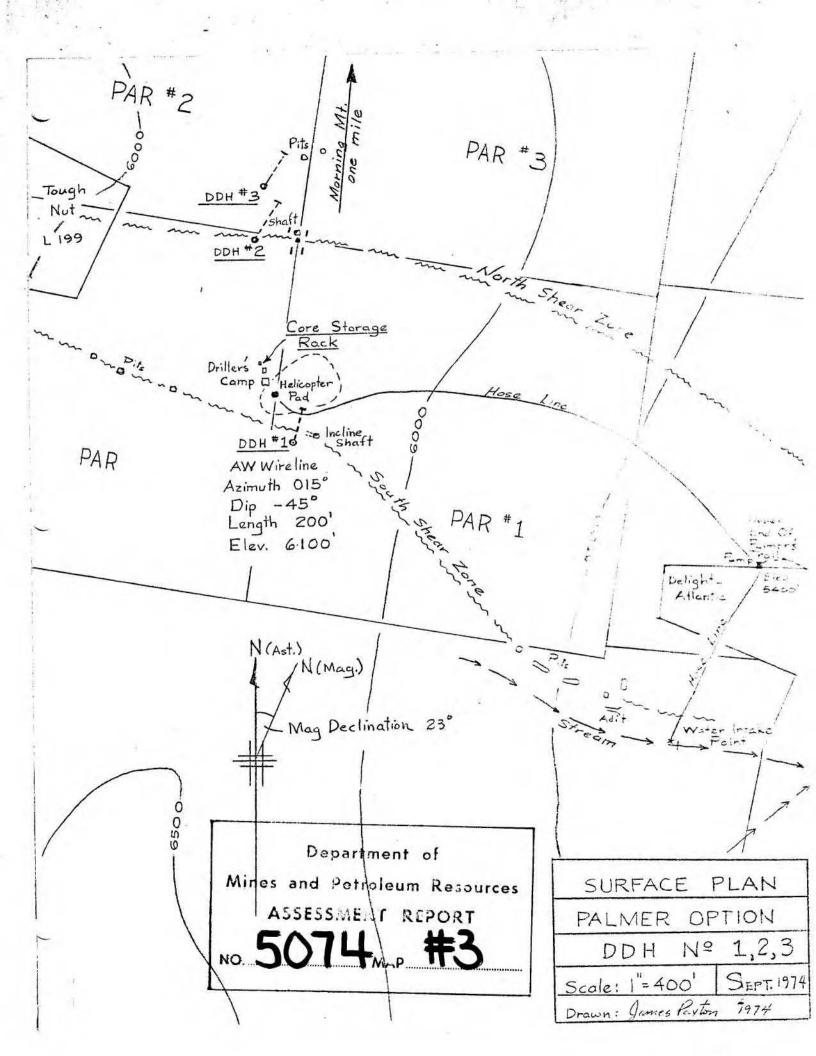
#### DIAMOND DRILLING

On August 1, 1974 a contract was signed with Connors Drilling
Limited, 155 West 3rd Avenue, Vancouver, B.C. to do a minimum of 600 feet
of AQ drilling at a basic price of \$10.85 per foot in overburden to 50
feet, and in rock to 300 feet. Transportation of the drill camp and
equipment to be Granby's cost and responsability.

On August 8th a landing place for the helicoptor was cleared on the crest of Morning Mountain.

small stream was located about 500 feet east of the top end of Palmer's trail stream was located about 500 feet east of the top end of Palmer's decided to move a large diesel pump to the top end of Palmer's trail then run a lose line from the pump over to the stream and bring: the water by gravity to the pump which was at an elevation of about 5400 feet, then pump it up to the camp in one lift of 700 feet to the 6100 foot elevation.

On August the 13th the drill, a driller and a helper, and all equipment were moved up to the camp. The first hole was started on August 15th and completed at 200 feet on August 18th. The second hole was started August 22nd. Problems were encountered in getting the overshot to go down. It had been planned to go to 250 feet but because of the problems and lack of important mineralization, drilling was stopped at 210 feet.



The third hole was started on August 25th and completed on the 26th. Increasing the dip of this hole from 45° to 50° overcame the problem with the overshot. Core recovery in all three holes was over 90%. Moving the drill was accomplished by winching and dragging the mast. The rods were packed by the helper.

The drill was a BBS-1 with a lycoming diesel motor. The hose was heavy duty PVC rated at 160 psi. It withstood pressure in excess of 300 psi with only an occasional rupture. This was the most critical factor in the whole project.

# RESULTS

The first two holes intersected fine grained sericite schist with occasional short sections of rusty vuggy material containing irregular veits of secondary quartz. No metallic mineralization other than fine desseminated pyrite, magnetite and occasionally chalcopyrite could be identified in the core either in the schist or the rust sections. The third hole collared in schist similar to the previous two then at 41 feet passed into grey quartzite and chert. Mineralization was as in the previous holes. These results were dissapointing in that nothing could be correlated with the main shear zone in the Silver King Mine which is described as a very strong feldspathized fault zone ranging in width from 4 feet to 200 feet.

All the core was split and samples taken over ten foot intervals except in rusty quartz vein material which was sampled separately. Of these samples (total 65) 37 were selected for copper assay, 20 for gold

silver assay and 14 for lead and zinc.

Assay returns for these selected samples show very low values for copper lead and silver and low values for gold and zinc. All samples were below ore grade. No relationship between metal variation was apparent, although there may be some relationship between gold and zinc.

#### CONCLUSIONS

The drilling done was unsuccessful in locating the extensions of the Mineral King shear zones and there is a strong probability that they do not exist in their original form this far to Northeast. It is possible that the old working in the area were not put down on mineral outcomes but were speculative attempts at locating the extension of the shear come just as our drilling was. The fact that the old-timers turned and small amounts of one grade mineralization in a fair number of their diggings indicates the area is still good prospecting ground. The widespread desseminated pyrite noted in the area is also a good prospecting indicator.

#### RECOMMENDATIONS

- 1. Assay all of hole No. 2 for gold and silver.
- 2. In view of the negative drilling results terminate the option agreement with Mr. Palmer.
- 3. Make a regional soil and stream silt sampling survey in the area next year covering a five to ten square mile area with a soil sampling spacing of 500 feet.

#### CLAIM OWNERSHIP

The following claims were covered in the option agreement between Granby and Mr. Palmer of Nelson, B.C. dated October 24, 1973.

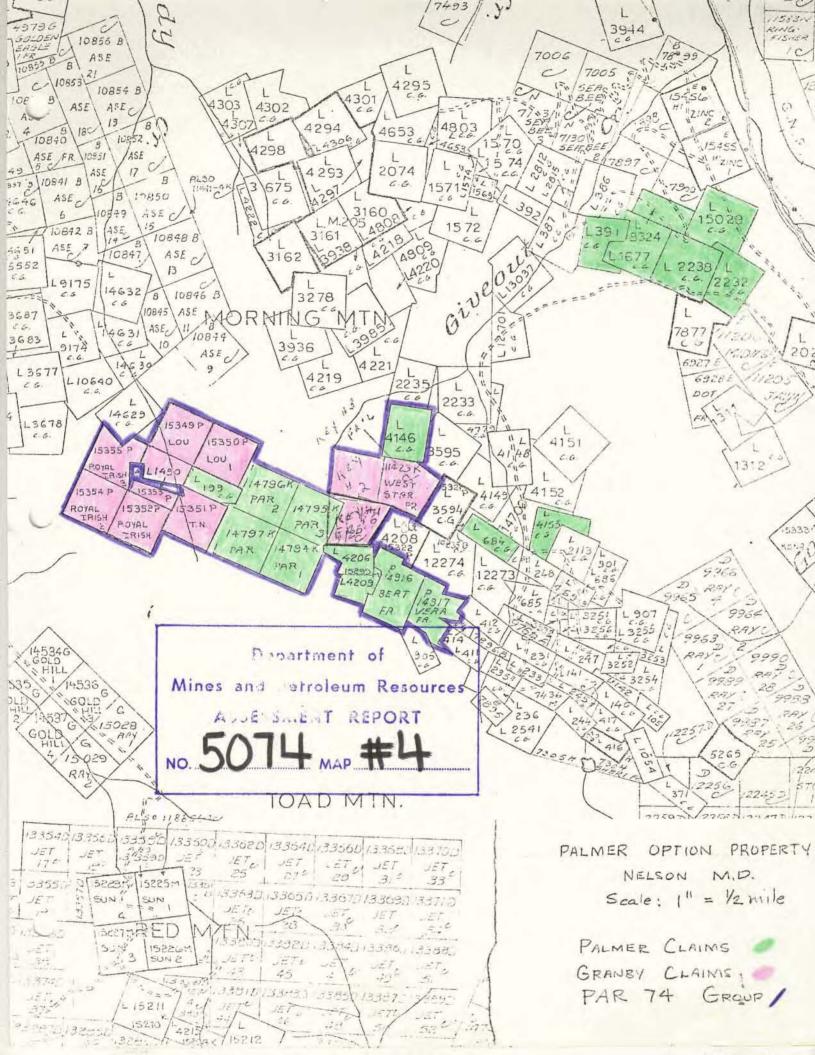
	Claim Name	Lot or Rec. No.	Anniversary Date	Owner	
**	PAR	14797	August 22	Shirley Palmer	
**	PAR 1	14794	August 22	Shirley Palmer	
	PAR 2	14796	August 22	Shirley Palmer	
	PAR 3	14795	August 22	Shirley Palmer	
*	Bert Fr.	14916	November	Shirley Palmer	
*	Vera Fr.	14917	November	Shirley Palmer	
*	Atlantic-Delight	15299	September 13		
*	Tough Nut	L 199		Richard Palm	er
	Starlight.	L 684		h v	
*	Black Wittin	L 4146		0 11	
	Gold Bell	L 4155		D 11	
	California	L 1677	*	11 11	
	Exchequer	L 391		11	
	Union	L 8324		te d	
	Hillside	L 2238		и и	
	Deadwood	L 2232			
	Clift	L 15029		u p	

<sup>\*\*</sup> These claims were grouped as the PAR 74 group on August 20, 1974.

<sup>\*</sup> These claims were added to the PAR 74 group in September, 1974.

The following claims were staked in the area by Granby personnel in 1973 and 1974:

Claim Name	Lot or Rec. No.	Anniversary Date	Owner
Royal Irish	370112	November	Granby
Royal Irish 1	370113	November	Granby
Royal Irish 2	370114	November	Granby
Royal Irish 3	370115	November	Granby
T.N.	370111	November	Granby
Lou	370109	November	Granby
Lou 1	370110	nt .	Granby
Key 1	15528	July	Granby
Key 2	15529	July	Granby
Key 3	15530	July	Granby



#### TIME DISTRIBUTION

- July 17th Reconnaissance and layout of road from the top of Palmer's road to the crest of Morning Mountain.
  - G.B. Hardwicke 1 day
  - J. Paxton 1 day
- July 19th, July 25th Moved D-6 Cat from Grand Forks to Nelson. Repaired Palmer's road and returned Cat to Grand Forks.
  - J. Paxton 7 days
  - V. Lesjack, Cat Operator 7 days

Granby D-6 Cat - 5 days

- August 2nd, 6th Reconnaissance Trips.
  - J. Paxton 2 days
  - J. R. Lucke 2 days
- August 8th Cleared helicopter landing site.
  - J. Paxton 1 day
  - J. R. Lucke 1 day
  - D. D. Rexin 1 day
- August 11th Moving pump to top of Palmer's road, and drill and camp from Salmo to top of Morning Mountain, drilling 610 feet and returning.

#### Connors Drilling Limited

- S. Savinkoff, Driller 231 hours
- M. Bonderoff, Helper 85 hours
- D. Deschambault, Helper 111 hours
- J. Paxton 14 days
- J. R. Lucke 9 days

Okanagan Helicopters Limited - 5.5 hours

September 3rd - 13th - Wrote report, drafted maps and packed equipment.

- J. Paxton 8 days
- J. R. Lucke 4 days

#### STATEMENT OF COSTS

#### Granby Costs

#### Supervision, Surveying, Core Logging, Core Splitting, Travelling

- J. Paxton, Sr. Mine Geologist 27 days
- J. R. Lucke, Assistant Geologist 18 days
- D. D. Rexin, Faller 1 day

Vehicle 66-82 - 1500 miles

Vehicle 66-83 - 2000 miles

All covered by Work Order 1576 (to August 31)

\$ 3,563

Additional Estimate September 1 - 13

\$ 4,163

600

#### Road Work with D-6 Cat

- Paxton, Sr. Mine Geologist 8 days
- V. Lesjack, Cat Operator

3-5 Cat @ \$8.00 per hour

Transport of Cat

All covered by Work Order 1577

\$ 1,849

Agga	ying
MSSa	ATITE

Phoenix Mine Assay Lab.

37 for Cu. at \$3.00

111

20 for Au. Ag. at \$5.00

100

General Testing Labs, Vancouver

14, Wet - Pb. Zn.

14, Spectro - Cu. Pb. Zn. Au. Ag.

est.

200

Total Granby Costs

\$ 6,423

#### Contract Costs

Connors Drilling Limited (Invoice 5140 Job 4-502)

t-0 feet drilled as per contract at \$10.85 per ft.

\$ 6,619

debilization fee as per contract

1,000

Field Costs - Moves, Waterline, Etc.

3,015

Supplies

\$10,634 *98* 

\$10,732

Ckanagan Helicopters Limited

Flying time, 5.5 hours @ 286.50

1,576

Fuel, 123 gallons @ 0.65

\$ 1,656

Total Contract Costs

312,3**88** 

TOTAL COSTS, PALMER OPTION PROJECT

\$18,811

#### STATEMENT OF QUALIFICATIONS

The undersigned graduated from the University of Saskatchewan with a B.A. Sc. degree, major in geological sciences, in 1953.

One year of honors geology was taken in 1954 at University of Manitoba.

Since graduation the undersigned has been employed on various mining and exploration projects. Since 1964 the undersigned has been employed by The Granby Mining Company Limited on both mine and exploration geology projects in B.C.

The undersigned is a member C.I.M., fellow of the G.A.C. and a member of the Association of Professional Engineers of B.C.

JAMES PAXTON P. Eng. Senior Mine Geologist

The Granby Mining Company Limited PHOENIX COPPER DIVISION

# APPENDIX I

DIAMOND DRILL LOGS FOR HOLES

NO. 1, NO. 2, NO.3

APPENDIX II

ASSAY CERTIFICATES

#### The Granby Mining Company Limited PHOENIX COPPER DIVISION Box 490. Grand Forks &C

PALMER OPTION ASSAY SHEET - GEOLOGY DEPARTMENT

1. Check assay required in space provided

2. Show composite assays with double arrows

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#### The Granby Mining Company Limited PHOENIX COPPER DIVISION Box 490, Grand Forks, &C

PALMER OPTION.

ASSAY SHEET - GEOLOGY DEPARTMENT

- Check assay required in space provided
   Show composite assays with double arrows
   Make duplicate sheet for geology file

Date Submitted	Tag Number	Copper Percent	Silver oz per ton	Gold oz per ton	Sulphur Percent	L	
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	1 08	1 .07	238	. 221			
	197 /3	,05	.0605	.001			
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	2.7	TR	.0675	.0045		16	
	3.5	,05	.055	.007			
	3.5.	105	052	.010 .			
	1 7	.05	.025	.1022			
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THE GRANBY MINING COMPANY LIMITED PHOENIX COPPER DIVISION, GRAND FORKS, B.C.

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THE GRANBY MINING COMPANY LIMITED PHOENIX COPPER DIVISION, GRAND FORKS, B.C.

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	ELEVATION	BEARING	LOGGED BY J. Pictor
	FINISHED	LENGTH	TOTAL RECOV. %

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		- 41		
PROPERTY	 	French Let	FINISHED	LENGTH

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THE GRANBY MINING COMPANY LIMITED PHOENIX COPPER DIVISION, GRAND FORKS, B.C.

PROPERTY Palmer Option, Nelson, B.C.

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	1	1	49-51 Oxidized zone zurrounding a			140		-		-	-			-	-	-	82	0	-
2 1 C W	A 44 5		Small fault cutting faliation at 90°		140			-	2.27		,	-	-	-	-	-	87	1.0	-
	74 75	**************************************	55-56 Oxidized zone et 80° to core	7			1 1 1 1 1	. 001	.002/	.01 .0	-	-	-	-	-	-	92		-
	100		filled with a network of irregular	8	160	7		-	-	-	-	-	+	-			102	0.5	-
	300		Secondary white quart veins 61-71 Brown limonite stained, vuggy			180					-	-	-	-	-	-	107	0.5	-
	445-74 445-74		61-71 Brown limobile stained, vuggy			190			005	0/ 1		-		+-	-		112	0	-
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		oxidized zone. Much partially	3721	170	200	1.05	,001	.092	.01 .0	-	+	-	-	1	-	117	0	1
**************************************	100	TACE OF THE RESERVE OF THE SECOND SEC	leached fine magnetite and privite	ļ		1			-		-	+	-	-	10	-	122	0	-
Control Control			71-75 Similar & section 22-26	-		-	-	-	-	-	-	1	-	+	1/1		126	0	1
	No. of the last of	744	75-76 Oxidized zone		-	-	-	-	-		-		-	-	1/1	-	131.6	0	+
		***	76-93 Grey-green schist similar 6	1	-	-	-	-	-		-	-	-	+-	Kilo	1	136	1.5	1
	6.14		'Section 22-26	<b> </b>		-	-	-	-	-	-	1	-	10	14	-	140	0.5	-
7616	383.8	<b>M</b> 101 101	93-101 Numerous short sections of	<del> </del>	-	1	-	-	-		-	1-1-	and	1	1+	-	145	0.5	-
		212	oxididized schist surrounding small	-	-	1	-		-	-	-	100	4	-	-	-	150.5		+
			of malachile wated at 100'		-	1	-	-	-	-	-	11	+	-	+	1-	150,5	9.0	+
	78.3		of malachile moted at 100	-	-	1	-	-	-		-	1/1	-	-	-	-	<b> </b>	7.0	-
				- 30		- de	1 .				11				-				

THE GRANBY MINING COMPANY LIMITED PHOENIX COPPER DIVISION, GRAND FORKS, B.C.

PROPERTY Palmer Option, Nelson BC

DIP TESTS	LEVEL	LAT.	HOLE No.
FOOTAGE HECONUED CORRECTI	LOCATION	DEP.	SHEET NO. 2/2
**************************************	ELEVATION	BEARING	LOGGED BY J. Pasto
	FINISHED	LENGTH -	TOTAL RECOV. 9

			- L			i			LENG						TOTAL	RECOV.				
FOOT	AGE	ROCK		A Market Parket Control of the Contr	1	- 479	COR	E AS	SAYS				SLUD	GE A	SSAY			REC	OVERY	RECO
FROM	то	TYPE	MINERALIZATION	DESCRIPTION	SAMPLE No.	FROM	то	cu.	OZ.	OZ.	AVERAGE	SAMPLE No.	FROM	то	cu.	OZ. AU.	OZ. AG.	RUN	SHORT	RUN
107	108			Lauriprophyre Dyke	100-100-100			141144							-	ļ	-			
	-			Lamprophyre Dyke  Contacts of med granid dark  brown biolite. Contacts at 80° to love					-				h		+-		-			
				brown brottle Contacts at 60 6 less																
08	156			Chlorite Sericite Schist											-	-	-	ļ		
1	-			Similar to previous section but finer grand and slightly less			- mail scales		<b></b>						-					
	-			schistose						-					-					
156	158			Tale Schist	-										+		1			
	7.5.			Grey to black color. Blocky cove																
58	700			Chlorite - Sexicite Schist	<b> </b>		-					ļ <del></del>	ļ		-					
30	700			Similar to section 108-156			2 92												-	
				Local short vuggy axidized sections	-				-				ļ	-	-		-			
				Similar to section 108-156  Local short vergy axidized sections  185-185.5 Quantil vein, vergy and  limonite stained											1					
	7.			End of hole.	-								1		-	-	-			
	200			-nd of hole.																
			*****	6	-		*									-	1000		-	-
				Summary							7.7.3									
				0-200 Chlorite Sericite Schist									-	-	-	-	-	-		
				93-101 Oxidized zone with Pyrit & Mag																
				93-101 Oxidized schist with quarty											-	-		-		-
\$6.5°		-72		107-108 Lamprophyre dyke 156-158 Tale Schist																
															-		-			
. 8 0				signed: James Potter P. Eng. Aug 19, 1974						-								1		
				Aug 19, 1974																

THE GRANBY MINING COMPANY LIMITED PHOENIX COPPER DIVISION, GRAND FORKS, B.C.

DIP TESTS	LEVEL	LAT.	HOLE No.
FOOTAGE RECORDED CORRE	TEO LOCATION PAR Nº Z	DEP.	SHEET No.
Collar -450	- ELEVATION 6000 Appro.		LOGGED BY
	FINISHED Aug 24 1974	LENGTH 210	TOTAL RECOV. 92.6 9

PROPERTY PALMER ON TORK

										LENGT						TOTAL R		92.6			
FOOTA	GE	ROCK				FREU	COR	E AS	SAYS		LAUED:		SAMPLE !	SLUD	GE AS	SSAY.	5	100	REC	OVERY	RECO
FROM	то	TYPE	MINERALIZATION	DESCRIPTION	No.	FROM	70	CÚ.	AU.	AG.	Pb	Zn =	SAMPLE No.	FROM	10	cu.	AU.	AG.	RUN		RUN
0	5			Casing in overburden					-							10			6	2	. 347
																		-	,,	.8	154
5	19			Schistose quartz porphyry  Mottled gray, white and ton colors  5mm aggregates of fine quarts and sericite in a tan fine grained felsic groundmass  Foliation at 60. Locally leached and  vuggy. Sparse pyrite mineralization	3722	5	20			-					-				75.5	Ü	194
15 and 15				Mottled gray, white and ton colors	3	20	30												::7	Or.	222
- Xv2 = 1				5mm aggregates of fine quarty and sericite	1 5 6	30	34	TR	.0045	.0675	1								26	.Ģ	204
0.2				in a tan fine grained felsic groundmass	5	34	135	.05	.007	.055	.01	.03				-			3/_	6	2/0
12				Foliation at 60. Locally leached and	6	35	41	.05	.010	.052									36	O	
				vuggy. Sparse pyrite mineralization	7	41	44.5	.05	.0022	1025	.01	.03							-0	3.0	Total
हैं क			- 1						.001	,0415		<b>'_</b>   _		20.232		-			45	62	Filoson
9 .	44			Sericite schist	3729	50	60											-	250	1-5	1745
				Medium grey color. Fine grained  Strongly foliated at 60°-70°  Fine grained pyrite mineralization  both disseminated and in bands up to 5mm.	D	60	70			-		_				-		-	1200	ات	2/0
A 1/2				Strongly foliated at 60°-70°	373/	70	80	L				<b>' </b>  _	-			-	-	-	5-7.5	. "	
1-1				Fine grained pyrite mineralization	2	80	90	.05	.0025	.047	.01	.01			-	-			25	,∉	
4.647				both disseminated and in bands up to 5 mm.	3	90										-	-		70	2	
				Local lenses of medium grained euhedral	7	100				-				L					76	.5	
Ved			14 1	pyrite. Local irregular barren quarty- calcite vein lets up to 2 cm. 22'- Small fault with brown	5	110	120	,05					-						31		
				calcite vein lets up to 2 cm.	6	120	130	.05	TR	TR.	.01	.01							315		
4				22'- Small fault with brown		130											-	-	27.5	2	-
		100		Imonite afteration 20,5 to 23,0	8	140	150	.07								-	-	-	95	7	
Negaria				25.5 - 10 cm white quarts and calcife	9	150	160	.07	-						-		-		79	0	
				vein. Minor pyrite mineralization	40	160	170	.12			-		-		-	-	-	-	:03		
18 4				Vein. Minor pyrite mineralization Contacts at 60°	1	170	190	.07	.0075	.0495	5 .01	.02				-			1535	12	
				33-35 Mingled white quarte-calcite		180	190	.07							-	-		-	11.7	•5	+
E				33-35 Mingled white quartz-calcite  veins, massive pyrite veins and  schist. Parous and vuggy  36-40 Mislatch - 3' core ground	3	190	200	.07						- 3	-	-		-	11.1	()	1
				Schist. Parous and Vugav	3744	200	210	. 05	-						-		-		12-4	U	1
THE PERSON NAMED IN				36-40 Mislatch - 3' core ground.					-						-	-	-	-	129	0	
				41-42 - 3 cm white att-prite vein at 50° then 20 cm of rusty ruggy fault zone		-					-				-	-	1	-	134	٥	-
7.00				at 50° then 20 cm of fustly vuggy					-		-			-	-	-	1/	-	1395		
			her and delication	fault zone						-	la.			1	-		V.L		145	.5	
				13.5-44 Mixture of quarty-calcite Vein material and rusty vuggy fault zone. Much fine pyrite					-		-		-	111	me	10/1	Hom	4	154	0	-
1015				Vein material and rusty vugary fault			-							HA	WW	400	1	-	159.		
Tel				zone. Much fine purite		-					-			A	-		-		16,4	1.0	-
a de la company		1							-					//					1		100

THE GRANBY MINING COMPANY LIMITED
PHOENIX COPPER DIVISION, GRAND FORKS, B.C.

	DIP TESTS	LEVEL	LAT.	HOLE No. 2
FOOTAGE	RECORDED CORRECTED	LOCATION	DEP.	SHEET NO. 2
		ELEVATION	BEARING	LOGGED BY
		FINISHED	LENGTH	TOTAL RECOV. %

				O #		E	ELEVAT	TION			· Painte attining	BEARI	NG				L	OGGED	BY	J. P.	1-
ROPER	TY		almer L	Cotion I		F	FINISHE	ED	40 P 1980			LENGT	Н				T	OTAL R	ECOV.		%
27		1 2204					CORE					1	SLUD						OVERY	REC	OVE
FROM	* TO	TYP 2	MINERALIZATION	DESCRIPTION	SAMPLE No.	FROM	то	% cu.	OZ. AU.	OZ.	AVERAGE	SAMPLE No.	FROM	то	cu.	OZ. AU.	OZ. AG.	RUN	SHORT	RUN	SI
44	102			Quart Sericite Schist  More siliceous than previous.  Pale grey color. Strongly schistose at 70- 800 Numerous small														-			
				More siliceous than previous.		-										- 13			-		
V. 1866				Pale grey color. Strongly schistose							-		-								
	2 × 63.5			at 70- 80' Numerous small																	
2.54	3 - 3 9	3.6	. 111	quarty-calcite Veinlets parallel to										-							No.
3 36 3	vei .			foliation, Up to 20% dessem-purite																	
1.44			The state of	62-63 Quarte - purite vein at 60°			L														_
11.00	A		1-1257	773-73.8 1 11 2 1 4 11 11 11		-															
200	1 1	36		65 - 3 mm calcite veinlet at 20°		100					-							23/02			
	211			with scattered blabs of galena																	
4/4.7				quarti-calcite Veinlets parallel to foliation: Up to 20% dessem pyrite 62-63 Quartz-pyrite vein at 60° [73-73.8 """"""""""""""""""""""""""""""""""""										-	-	-	-	-			
NO.	907			locally Less purite (2-5%)			-								-						
85 v	1.00	-				1															
/oZ	200			Dark Grey Sericite Schist		-									-	THE THE	-				
				Medium to dark grey color. Fine grained to aphanitic with streaks and augen of lighter colored medium grained material Streaks, lenses and desseminated fine pyrite throughout averaging about 5% of total rock Strong foliation at 10-80	1																
				to apparitie with Istreaks and augen of				-	-				*******							-	
, i				lighter colored medium grained material		-							-			-	-				
321,413				Streaks lenses and desseminated fine		-							-				-				-
4.5				pyrite throughout averaging about 5% of total roce	6									-							-
				Strong foliation at 70-80		-			K.				1.5	-	-						
				Traces of very fine chalcopyrite noted Local short sections show definate	-										-		-				
4.0				Local short sections show definate									-	-	-		-				
	Carrier and Artis			sedimentary bedding 2-5mm at 70-80"										-	-		- 5	-			-
			+											-	-	-	-				-
700	200			Fault Zone - 3.5 ft core lost									-			(				-	
Per la mi					2	1							-								-
204	207		1	Bedded Grey Schist							C 172000313252					ļ	-	-			-
				Fine grained. Good 3-10mm white and gray bedding at 60.70" Moderately schistose Fine desseminated pyrite up to 5% of total rock.  207- 10 cm of fault gouge and bree																	
				and arey bedding at 60.70" Moderately																	
19 6				Schistose Fine desseminated nurite				ALE CAP					-	-			ļ				-
			\	ue to 5% of total rock.										-	-						
				207- 10 cm of fault noune and bree	cia												-				
				J																	
CONTRACTOR OF THE PARTY OF THE	175	41 1	ч .	quantum de la companya de la company	11		1		1 \	1	The second second	11		1	1	Tr.	1 3	U.	1		1

THE GRANBY MINING COMPANY LIMITED PHOENIX COPPER DIVISION, GRAND FORKS, B.C.

	0
PROPERTY	The make

	DIP TESTS	LEVEL	LAT.	HOLE No. Z
FOOTAGE	RECORDED   CORRECTED	LOCATION	DEP.	SHEET No. 3
		ELEVATION	BEARING	LOGGED BY
		FINISHED	LENGTH	TOTAL RECOV.

ROPER	TY					F	INISHI	ED				LENG	тн				T	OTAL R	ECOV.	
FOOT	AGE	ROCK	1		1	* 1010-			SAYS				SLUD	GE AS	SSAYS	3		REC	OVERY	REC
FROM	TO	TYFE	MINERALIZATION	DESCRIPTION	SAMPLE No.	FROM	то	% cu.	OZ.	OZ.	AVERAGE	SAMPLE No.	FROM	то	cu.	OZ. AU,	OZ. AG.	RUN	SHORT	RUN
207	210			Grey Tuff																
				Grey color. Fine grained, Granular									Secretary Secretary							
=W				to fine fragmental texture, Local angular											-					
				fragments up to 3 mm Scattered fine									-			Ware 6		72 m 0-0-0		
			************	Grey Tuff Grey color. Fine grained. Granular to fine fragmental texture. Local angular fragments up to 3 mm. Scattered fine leucoxene. 1-3% desseminated pyrite									-		-	+1112				
	210			End of hole.											-				74	
	2/0			Eng & Note:																
				Summary																
				0-19 Schistose quarta porphyry		-						-								
				19-44 Sericite Schist	-	-						J			-					
				44-102 Quartz Sericite Schist	-			_	-	-										
				102-200 Dark grey Sericité Schist	<u> </u>	-		-	-			ļ			-					
-			<del></del>	Traces of chalcopyrite	-	1000			-	-		ļ		-	-					-
-		-		200-204 Fault 20118	1	-				-		-	-		-					
			V-11-	204-201 Deaded Grey Senis										-		-				
				207-710 Gray Tuff								0								
7:00				and the state of t																
				Summary  0-19 Schistose quartz porphyry  19-44 Sericite Schist  44-102 Quartz Sericite Schist  102-200 Dark grey Sericite Schist  Traces of chalcopyrite  200-204 Fault Zone  204-207 Bedded Grey Schist  207 Fault Zone.  207-210 Grey Tuff  Signed: James Laker P. S.g.																
														-	-	-	-		-	-
				Aug 25 1974	-					-	-	-		-	-					
				- d	-					-very		-	-	-			-			-
								-	-		-	-	-	-	-	-				
					-	-	_	-		-	-	-	-	1	-					
-	-				-								-	-						
		et et s			1	-									25 105 10			VIII O		
										75.75										
ly Co	2000																			
retr											1			-	-					
				h 42*						-			-	-	-					
,																				

THE GRANBY MINING COMPANY LIMITED PHOENIX COPPER DIVISION, GRAND FORKS, B.C.

LIIOPINIA	COI I LI	Dividioit,	OHAH	· Onico,	-
	D	IER .	1100	CITAL	

DIP TESTS LEVEL LAT. HOLE NO. 3

FOOTAGE RECORDED CORRECTED LOCATION PAR Nº 2 DEP. SHEET NO. 1

LUI OF LOCATION LOCAL Apprex. BEARING AZ 030° LOGGED BY J. Parter.

FINISHED Aug 26 1974 LENGTH 2001 TOTAL RECOV. 95, 2 %

alabati.	10				<u></u>								LENG				S		REC	OVERY	REC
FOOT	AGE	ROCK	MINERALIZATION	DESCRIPTION	SAMPLE	FROM	то	1 %	oz.	OZ.	-AVE	NAGE-	SAMPLE	FROM	TO	1 %		l oz.	RUN	SHORT	RUN
FROM	TO	TYPE	MINERALIZATION		No.	50000		cu.	AU.	AG.	Pb	Zn	SAMPLE No.			CŬ.	OZ. AU.	AG.	KON	BHOKI	
0	5.5			Cosing in over barden . Casing extended to 13"															6	0	
(A. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	*																		10	•5	
5.5	41			Dark Grey Sericite Schist	3745	5	10		L			1.8				-	-		12	.5	
A.					6	10	20				-			-			d Carrier		15 1/2		
1965				extremely schools texture with scattered	6	20	30	-						-			-	-	16/2		
No.				3 mm white augen and scattered land	8	30	40	.07	.001	.011	.01	.02				1-		-	21	2.0	
	Ster.			grains of magnetite (1-2% of Halrock)		40			-	-						-	-	-	27	1.5	
100	1			James white augen and scattered lower grains of magnetite (1-2% of total rock)  Also scattered fine desseminated pyrite  (1-2% of total rock) Foliation at 50%	50	50	60	.10	-		-					-			29	0	
State of				(1-2% of total rock) Foliation at 50%	3651	60	70	.07	-	-	-			-	-	-	-	-	31/2		
-84			~	with occasional small drag tolds (Stype)		70				-	-	-		-		-	-		35_	()	
12				33-34 Massive gray quartite	3	80	90	.05								-	-	-	15	c)	-
1	1			with occasional small drag folds (5 type)  33-34 Massive grey quartite  contact unditional own 3 ft.		90	1		7	.126	.01	,29			-		-	-	50	0	
15 4 1 W						100				-	-				-	-	-		60%		
41	138			Grey Quartzite		110	_		_	-	-					-		-	70'9"		
19				Grey color . Aphanitic to fine	7	120	130	.10		-	-		ļ			-	-	-	81	ಲ	-
Anese .				grained granular texture. Also often		130			.019	5 .106	.01	.19			-	-		-	86	5	
din sur				has a fine preceia texture.		140			-	-	-					-	-	-	16'3"	U	-
a Trans				Scattered (1-2% of total rock) 1-2mm	60	150	160	-	-		-	115	ļ	-	-	-	-	-	106	3	
			***	blebs of magnetite and pyrite. The	1	160	170	.07	.018	1195	.01	.40	-	-		+-	-	-	1/6	0	
				pyrite is very fine grained and yellowish and may be a mixture of pyrite and	2	170	180	1-	-	-	-					-		-		.5	
39°				and may be a mixture of pyrite and	1 3	180	191	-		-00	- 01	04				+	+	+-	125		-
And Street				chalennuvite Chalennurite definately	1	191			,005	.078	5 .01	.07		<del> </del>	-	+-	-	+-	130	Ü	
-				identified associated with some of	3665	195	200	>		+-	-					-		-	150	National Property of the Parket	
100	- X 2			the magnetite grains.	·II		-	-		-	-				-	+-	-	-	160	0	-
N.				64-66 Breceinted	-	-	-	-	-	-	1		-			+	-	-	1615		-
300.00				91- Fault at 60: Limonite and brown	-	+	-	+-	-	-	-		l		-	125	137	1	173		-
			4	stained wall rock for 20 cm		-	-	-	-	-	+		ļ	1	1	11	1-1	ti	182		
V.V.				98-Fault at 300 Liminite and	-		-	-	-	-	-	-		1-/-	7.7	1	1	-	1923		-
				brown strong wall rock for 30cm	<b> </b>	-	-	-	-	+-	-			1-1-	4	100	Mal	Jan.			
# T			·	Minior chalcopyrite rioted	-		-	-	-		-	-		1+	an	wa.	100		200		
\$ */2 + ·	0=			131-137 Pole grey chart with numerous  pyrite filled fractures	-	-	-	-	-		+			1		7	1-	+-	-	7.7	
\$240 \ASS	-			pyrite filled fractures		Cons. of	-	-		-	-			1/		-1-1-	-17-	-			-
													1	1//	1-1	No.	11/2/	2		AT THE RESIDENCE OF THE PERSON NAMED IN COLUMN 1	

