

R. W. PHENDLER, P.Eng., GEOLOGICAL CONSULTANT,  
EXPLORATION AND MINING  
7360 DECOURCY CRES., RICHMOND, B.C. V7C 4E9 (604) 271-2588

021858

JOHN A. CHAPMAN

R E P O R T on  
ASSESSMENT WORK (DIAMOND DRILLING)

on the

COPPER ZONE CLAIM (9 UNITS), TAY 4 CLAIM (20 UNITS),  
TAY 5 CLAIM (20 UNITS) and GRANITE CLAIM (18 UNITS),

TASEKO LAKE AREA, CLINTON MINING DIVISION,

BRITISH COLUMBIA

NTS MAP 920/3W,  $51^{\circ}3'N$ ,  $123^{\circ}25'W$

for

UNITED GUNN RESOURCES (OWNER OF COPPER ZONE CLAIM & OPERATOR OF PROGRAM)

and

REM RAY HOLDINGS INC. (OWNER OF TAY 4 and 5 and GRANITE CLAIMS)

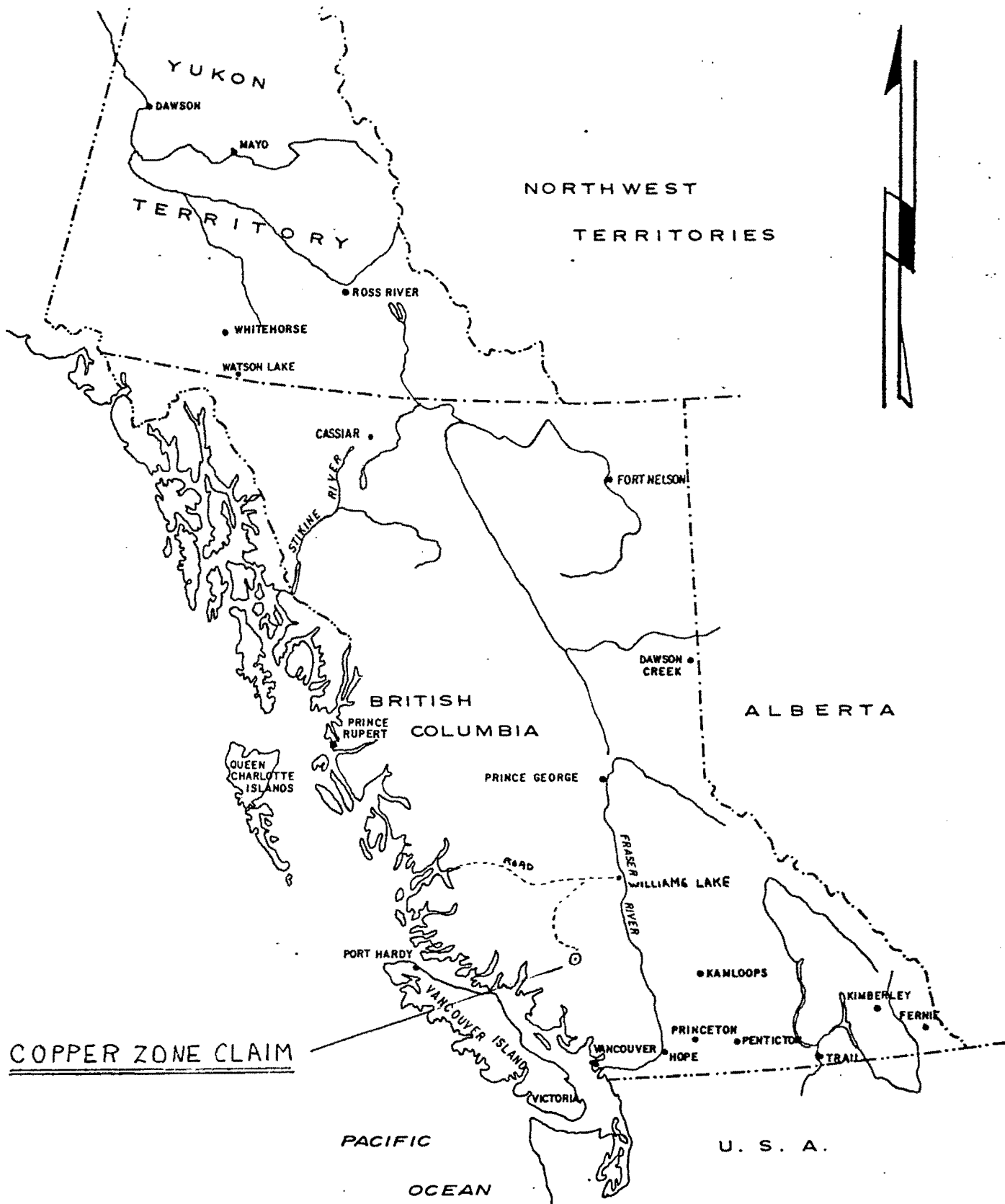
by

R.W. PHENDLER, P. ENG. (CONSULTANT and AUTHOR)

Vancouver, B.C.

May 31, 1982

ASSESSMENT REPORT # 10455



LOCATION MAP		
VANCOUVER		BRITISH COLUMBIA
UNITED GUNN RESOURCES LTD.		
COPPER ZONE CLAIM. CLINTON M. D.		
SCALE 1:12,672,000		
NTS.	DATE MAY 1982	FIG. No. 1
1" = 200 MILES		

TABLE OF CONTENTS

	<u>Page</u>
INTRODUCTION .....	1
PROPERTY .....	1
GEOLOGY AND MINERALIZATION .....	1
HISTORY .....	3
WORK CARRIED OUT (1981) .....	5
CONCLUSIONS .....	6
COSTS INCURRED .....	6
CERTIFICATION .....	8

ADDENDUM

LOG SHEETS .....	following page 9
INVOICES .....	

ILLUSTRATIONS

Fig. 1 - Location Map	-	1" = 200 miles - frontispiece
Fig. 2 - Property Map	-	1: 10,000 - page 9
Fig. 3 - Geology and drill hole Map	-	1: 5,000 - in envelope
Fig. 4 - Location Map of Claims	-	1: 50,000 - page 9A

## INTRODUCTION

The Copper Zone property is located at an elevation of 1800 meters about 100 kilometers northwest of Pemberton in southwestern British Columbia. Access is by helicopter from Pemberton or by four wheel drive vehicle from Williams Lake westward via route 20 to Hanceville, thence southerly to the Taseko Lakes (east side) and up Taseko River and Granite Creek to the property. Distance is about 270 kilometers.

The area of drilling is located within an open cirque on the east side of Granite Creek.

All sampling was done under the supervision of the writer and samples were assayed at Acme Analytical Laboratories, Vancouver. All drill core is stored at the warehouse of Buccaneer Diamond Drilling Ltd. in Williams Lake.

### PROPERTY (as follows)

<u>Claim</u>	<u>Units</u>	<u>Record No.</u>	<u>Record Date</u>	<u>Expiry Date</u>
Copper Zone	9	48 (8)	Aug. 30, 1976	Aug. 30, 1982
Tay 4 & 5	40	1057,1058 (7)	July 6, 1981	July 6, 1984
Granite	18	1083 (7)	July 23, 1981	July 23, 1981

## GEOLOGY AND MINERALIZATION

The area in which the Copper Zone claim is located lies on the east flank of the Coast Range Crystalline Belt - a complex series of granitic intrusives of post lower Cretaceous age which are intruded by later more acidic stocks and dyke swarms. Four miles northeast of the Copper Zone showings lies the northeast limit of the granitic rocks in contact with volcanic rocks of Cretaceous age.

The principal rock type on the Copper Zone claim is hornblende quartz diorite intruded by numerous feldspar porphyry and quartz feldspar porphyry dykes, all generally striking either north 20° west or east - west.

An oval - shaped stock of quartz feldspar porphyry measuring 300 meters (EW) by 600 meters (NS) appears to be the loci of the more intense sulphide mineralization, which consists of chalcopyrite, molybdenite and heavy pyrite. This mineralization occurs as fracture fillings and disseminations in both the quartz diorite and the feldspar porphyry. Total sulphides of up to 10% (estimated) decrease away from the central porphyry stock.

The area of heavy total sulphides and more prominent gossan is an L-shaped zone centering on the porphyry stock. The stock and other later porphyry dykes are relatively massive, showing less leaching than the surrounding fractured quartz diorite. This leaching reaches a depth of about 15 meters but there is no apparent enriched zone immediately below the leached zone. Minor secondary chalcocite was observed in D.D.H. A-1 but no significant increase in copper values was noted.

No significant gold values were present (all trace) and only minor silver assays were returned (0.1 oz per ton). It is believed that tungsten assays would be desirable for selected high quartz samples as this metal has been observed in this geological environment in the past.

## HISTORY

The east limit of the Coast Range granitic intrusive complex has received considerable attention and has long been known to contain numerous zones of widespread copper mineralization. During the 1960's and early 1970's numerous regional studies were made in the search for large low grade copper deposits throughout British Columbia and the area around the Taseko Lakes received a great deal of interest with moderate success. Programs were carried out by Cominco, Canex Placer, Phelps Dodge Corporation, Bethlehem Copper Corporation, Scurry Rainbow (Home Oil Ltd.) and Quintana.

The Copper Zone claims cover the old Rowbottom Creek prospect which was explored by Phelps Dodge Corporation in 1964. It is reported that one 57 meter diamond drill hole was put down about 500 meters from the gossan zone and intersected mineralization averaging 0.12% Cu over its length.

Between 1969 and 1972 the property was known as the NW & Bill prospect and was held by Victor Mining Corporation. During this time four diamond drill holes and four percussion holes were drilled, some by Victor and others by a syndicate involving Victor Mining Corporation, Granite Mountain Mines Ltd. and Galveston Mines Ltd. During this period the work was conducted by Western Geological Services Ltd. under the supervision of Mr. W. Meyers, P. Eng., presently employed by Teck Corporation, Vancouver.

In 1972 Mr. J. Bucholz supervised the drilling of drill holes 72-1 and 72-2 while he carried out geological mapping.

In 1975 the claims covering the widespread gossan zone lapsed and were staked as the Copper Zone mineral claim for United Gunn Resources Ltd.

Between August 13 and August 19th, 1980, two open cut trenches were drilled and blasted in outcrops where abundant malachite staining was observed. This work fulfilled assessment work requirements.

WORK CARRIED OUT (1981)

Between Aug. 10 and Sept. 16th, 1981 five diamond drill holes totalling 3,205 feet were completed as follows:

<u>D.H. No.</u>	<u>Bearing</u>	<u>Angle</u>	<u>Length</u>	<u>Recovery</u>
81 - 1	due east	-45°	700'	93.8%
81 - 2	-	vertical	997'	98.0%
81 - 3	-	vertical	506'	97.6%
81 - 4	-	vertical	500'	98.7%
81 - 5	-	vertical	502'	96.7%

These holes were drilled in the area where seven holes had been drilled in the past and where interesting results existed.

The assay results of all holes drilled to date are as follows:

<u>D.H. No.</u>	<u>Intersection</u>	<u>Depth</u>	<u>% Cu</u>	<u>% Mo</u>
81 - 1	80' to 680'	600'	0.16	0.003
81 - 2	50' to 997'	947'	0.28	0.020
81 - 3	158' to 488'	330'	0.15	0.004
81 - 4	226' to 256'	30'	0.15	0.005
81 - 5	251' to 461'	210'	0.07	0.002
A - 1	50' to 380'	330'	0.23	0.007
A - 2	40' to 400'	360'	0.12	0.004
72 - 1	250' to 400'	150'	0.22	0.005
72 - 2	180' to 300'	120'	0.284 (Equivalent)	
PH - 1	50' to 400'	340'	0.21	0.007
PH - 2	40' to 220'	180'	0.19	0.005
PH - 3	10' to 200'	190'	0.12	0.005
PH - 4	30' to 300'	270'	0.10	0.007

With the limited amount of information available to date it appears that there is a north northwesterly trending zone of mineralized granodiorite that may average 0.28% Cu and 0.012% Mo. This is bounded on either side by material that may run in the 0.10 - 0.15% Cu and 0.005% Mo.

The quartz porphyry on the east side of the area is considered to be unfavourable.



## CONCLUSIONS

The depth of the mineralization intersected in D.H. 81-2 is impressive, as the complete hole from top of bedrock at 50' to the bottom of the hole (997') averaged 0.276% Cu and 0.23% Mo. Significant zones within this depth are as follows:

<u>Interval</u>	<u>Length</u>	<u>% Cu</u>	<u>% Mo</u>
208' - 288'	80'	0.353	0.006
588' - 888'	300'	0.393	0.029
888' - 997'	109'	0.168	0.079

It is interesting to note that the Mo content increased significantly at the bottom of the hole. The next nearest holes are 500' to the south, west and northeast and 900' to the north. The mineral zone is untested to the northwest and warrants a significant amount of drilling in this area.

## COSTS INCURRED

All costs relating to drilling, site preparation, road repairs (bulldozer rental), mobilization, demobilization, core transport, core splitting, crew accommodation and upkeep, pumping of water for drilling, truck servicing, etc., were borne by Buccaneer Drilling Ltd. and invoiced to United Gunn Resources Ltd. The drill crew lived in a rented outfitters' camp at the confluence of Granite Creek and Taseko River where a serviceable airstrip exists.

Costs incurred directly by United Gunn Resources Ltd. included helicopter costs, engineering costs (including most of the assaying costs) and a direct invoice from Acme Analytical Laboratories, Ltd.

As the anniversary date of the Copper Zone claim is August 30th only the drilling carried out after August 30, 1981 can be considered as assessment work in this report. This only includes D.H. 81-3 and D.H. 81-4 totalling 1006' (305 meters).

Costs pertaining to this portion of the drilling program are as follows:

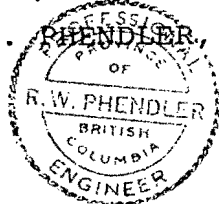
<u>Details</u>	<u>Amount</u>
Acme Analytical Labs Ltd.	\$752.95
Buccaneer Drilling Ltd.	37,732.84
" " "	12,298.00
Phendler Engineering Ltd. (logging)	<u>1,390.90</u>
Total (after August 30, 1981) -	\$53,422.47

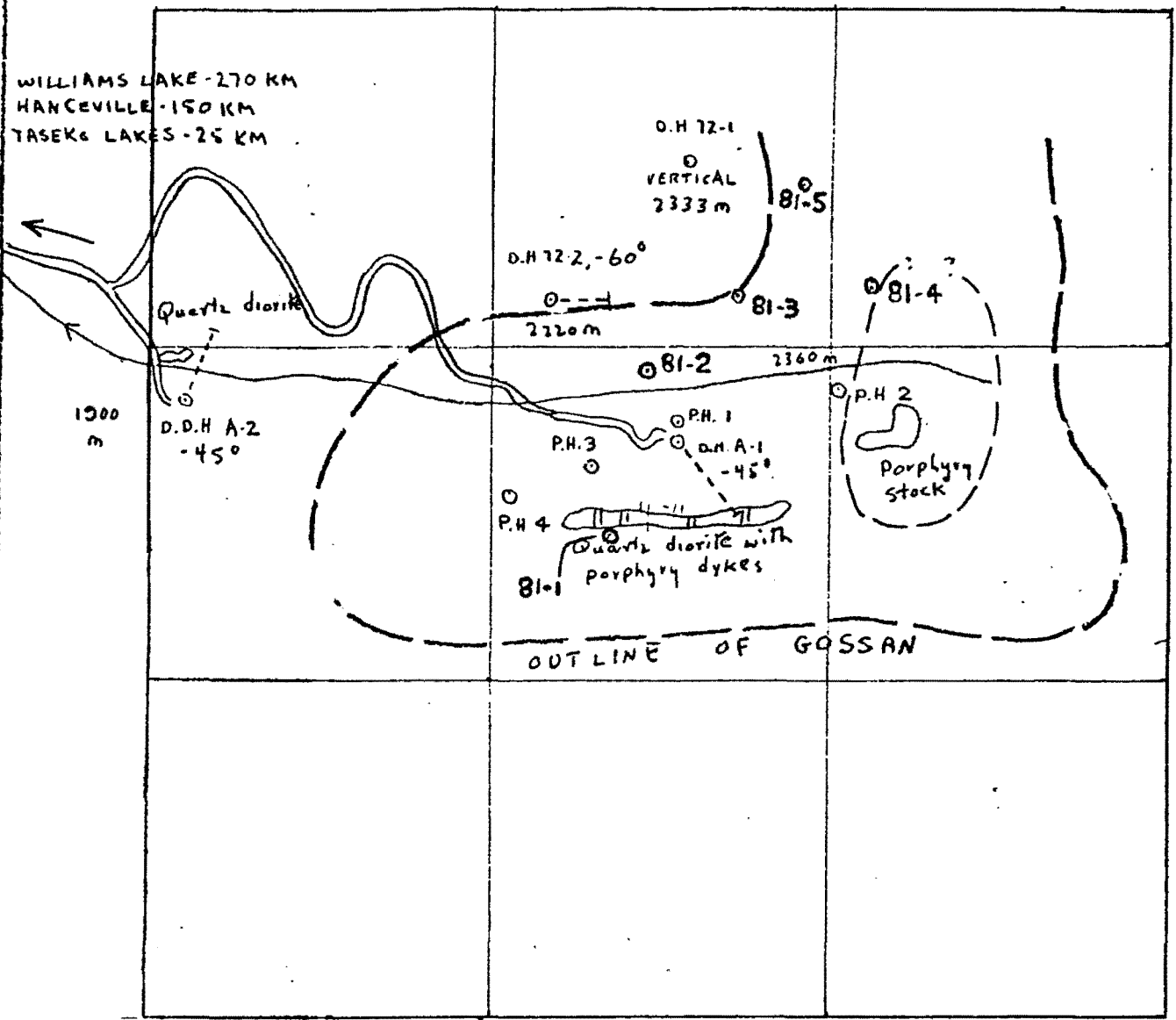
Total cost of the entire program (971 meters) was \$170,302.05.

C E R T I F I C A T I O N

I, R.W. PHENDLER, of 7360 Decourcy Crescent, in the municipality of Richmond, in the Province of British Columbia, hereby certify as follows:

- 1) THAT I am a registered member of the Association of Professional Engineers of British Columbia - No. 4421.
- 2) THAT I am a graduate of McGill University, Montreal, with a Bachelor of Science degree in Geology.
- 3) THAT I have practiced my profession continually as mine (11 years), exploration (6 years) and consultant (11 years) geologist for the past 28 years in all parts of Canada, the U.S.A., Mexico, Peru, Colombia and Chile.
- 4) THAT I have no interest in the Copper Zone property nor do I own, directly or indirectly, any shares of United Gunn Resources Ltd. or Rem Ray Holdings, Inc., nor do I expect to.
- 5) THAT the information contained in this report was compiled as a result of my examination of the Copper Zone property on August 13 - 16th, 1980, April 9 - 11th, July 9 and August 14, 1981.

*R. W. Phendler*  
R.W. PHENDLER, P. ENG.  
A circular professional seal for R.W. Phendler, a Professional Engineer in British Columbia. The seal contains the text: 'PROFESSIONAL ENGINEER OF BRITISH COLUMBIA' around the perimeter, and 'R.W. PHENDLER' in the center.

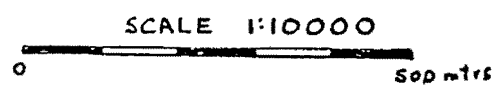
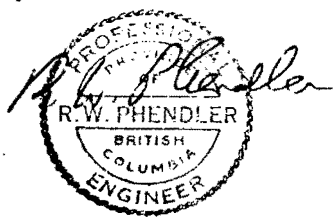


APPROXIMATE PROPERTY OUTLINE

UNITED GUNN RESOURCES LTD.

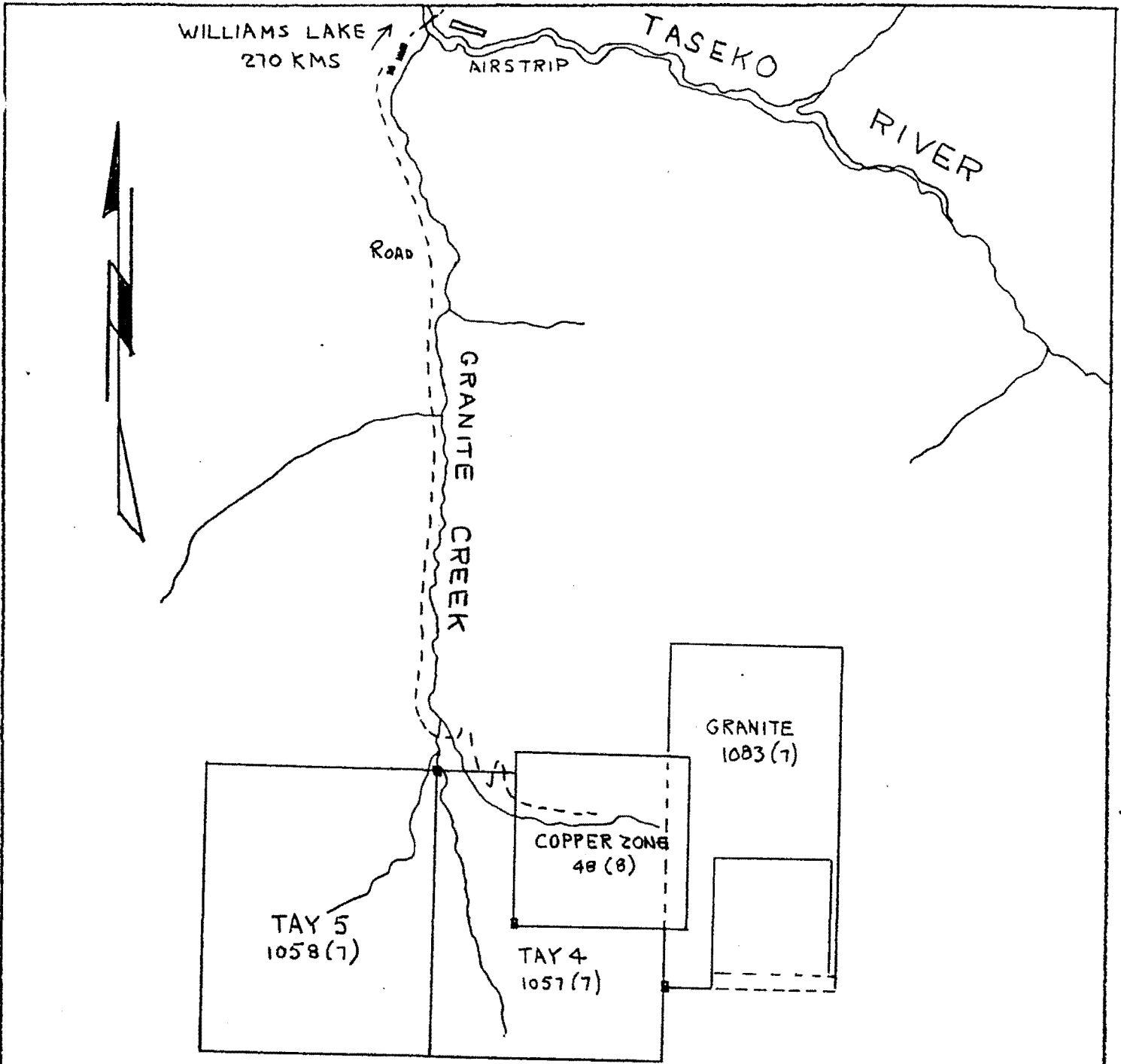
COPPER ZONE CLAIM (9 UNITS)  
 TASEKO LAKE AREA. CLINTON MINING DIVISION,  
 BRITISH COLUMBIA.

○ P.H. - PERCUSSION HOLES  
 ○---○ D.H. - DIAMOND DRILL HOLES



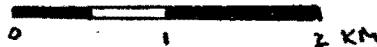
R.W. PHENDLER P. ENG

MAY, 1982



UNITED GUNN RESOURCES  
 &  
REM RAY HOLDINGS INC

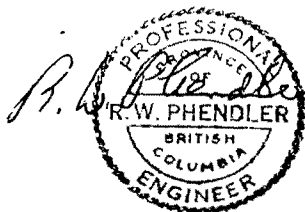
LOCATION MAP  
 of  
 COPPER ZONE TAY 4 & 5 & GRANITE  
 CLAIMS  
 SCALE 1:50,000

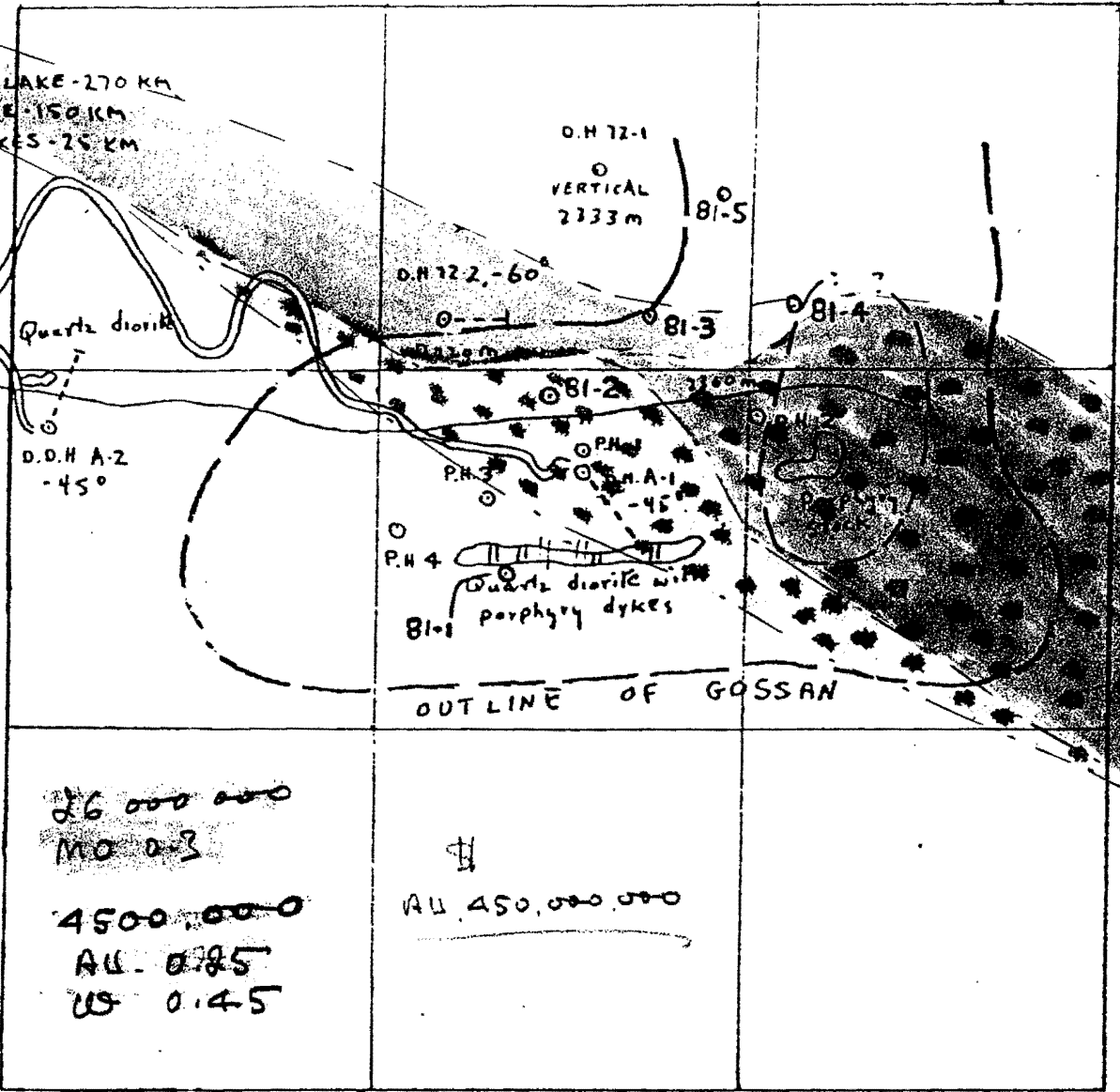


R.W. PHENDLER, P. ENG

MAY, 1982

Fig 4





26 000 000  
 MO 0.3  
 4500 000  
 AU 0.85  
 US 0.45

AU 450,000,000

APPROXIMATE PROPERTY OUTLINE

UNITED GUNN RESOURCES LTD.

COPPER ZONE CLAIM (9 UNITS)  
 TASEKO LAKE AREA, CLINTON MINING DIVISION,  
 BRITISH COLUMBIA.

SCALE 1:10000



RW PHENDLER PENG

FEB, 1983

*R. W. Phendler*

## Drill Hole Log

COMPANY *United Gunn Resources Ltd*PROPERTY *Copper Zone*

Section No.

HOLE No. *81-1*

Started <i>Aug 24, 1981</i>	Bearing <i>Due East</i>	Lat.	Collar El. <i>7720'</i>	Logged by <i>R. Phendler</i>	Date <i>9/30/81</i>
Completed <i>Aug 30, 1981</i>	Angle from Horizon <i>-45°</i>	Dep.	Bottom. El.	Remarks <i>93.8% Recovery</i>	
Driller <i>Buccaneer Drilling</i>	Length <i>700'</i>	Location	Level		

Feet		Interval	RECOVERY		DESCRIPTION	Sample No.	From-To	Interval	ASSAY			
From	To			%					% Cu	% Mo		
0.0	20.0				OVERBURDEN	20237	20-30	10	.08	.001		
20	43.0				QUARTZ PORPHYRY - FINE TO MEDIUM - GRAINED, GLASSY.	238	30-40	10	.05	.002		
					MALACHITE	239	40-50	10	.07	.001		
					DISSEMINATED PYRITE, LIMONITE	240	50-60	10	.04	.002		
					STAINING	241	60-70	10	.12	.001		
43	113				QUARTZ HORNBLENDE DIORITE - COARSE	242	70-80	10	.12	.002		
					GRAINED - OXIDIZED TO 65. SOME	243	80-90	10	.37	.001		
					MALACHITE STAINING. LEACHED	244	90-100	10	.41	.011		
					AFTER 65.0 DISSEMINATED PYRITE, PARTIAL	245	100-110	10	.33	.001		
					OXIDATION SOME KAOLINIZATION	246	110-120	10	.24	.003		
					FRESH AFTER 96'	247	120-130	10	.25	.003		
113	128				DALCITE DYKE, CHERTY, AMORPHOUS WITH	248	130-140	10	.29	.007		
					GHOSTY PHENOCRYSTS; PYRITE STRINGERS TO 1/4"	249	140-150	10	.14	.006		
					60° CONTACT	250	150-160	10	.24	.001		
128	329				QUARTZ HORNBLENDE DIORITE - MEDIUM	251	160-170	10	.25	.012		
					TO COARSE GRAINED GRANULAR DISSEM-	252	170-180	10	.19	.001		
					INATED PYRITE 10% LOCAL OXIDATION	253	180-190	10	.15	.001		
					PYRITE STRINGERS WITH SILICEOUS ALTERED	254	190-200	10	.21	.002		
					LOCALLY BLEACHED, SLIGHTLY FINER	255	200-210	10	.17	.001		
					GRAINED BY 175'	256	210-220	10	.13	.001		

## Drill Hole Log

COMPANY *United Gem Resources Ltd*PROPERTY *Copper Zone*

Section No.

HOLE No. *81-1*

Started	Bearing	Lat.	Collar El.	Logged by <i>R. Phendler</i>	Date <i>9/30/81</i>
Completed	Angle from Horizon	Dep.	Bottom, El.	Remarks <i>93.8% Recovery</i>	
Driller	Length	Location	Level		

From	To	Interval	RECOVERY		DESCRIPTION	Sample No.	From-To	Interval	ASSAY		
				%					% Cu	% Mo	
					<i>SULPHIDES DECREASING BY 250' THEN</i>	<i>257</i>	<i>220-230</i>	<i>10</i>	<i>.10</i>	<i>.001</i>	
					<i>OCCASIONAL PYRITE STRINGER IN</i>	<i>258</i>	<i>230-240</i>	<i>10</i>	<i>.19</i>	<i>.001</i>	
					<i>MASSIVE EQUIGRANULAR, FINE TO MEDIUM</i>	<i>259</i>	<i>240-250</i>	<i>10</i>	<i>.11</i>	<i>.002</i>	
					<i>GRAINED DIORITE</i>	<i>260</i>	<i>250-260</i>	<i>10</i>	<i>.14</i>	<i>.005</i>	
					<i>50% PYRITE 280'-316'</i>	<i>261</i>	<i>260-270</i>	<i>10</i>	<i>.07</i>	<i>.001</i>	
<i>329</i>	<i>332</i>				<i>QUARTZ PORPHYRY DYKE - 80° CONTACTS</i>	<i>262</i>	<i>270-280</i>	<i>10</i>	<i>.10</i>	<i>.001</i>	
					<i>FINE GR'D MATRIX - DK. GREY PYRITE ON</i>	<i>263</i>	<i>280-290</i>	<i>10</i>	<i>.05</i>	<i>.001</i>	
					<i>SLIP FACES</i>	<i>264</i>	<i>290-300</i>	<i>10</i>	<i>.22</i>	<i>.001</i>	
<i>332</i>	<i>348</i>				<i>QUARTZ HORNBLLENDE DIORITE - MEDIUM</i>	<i>265</i>	<i>300-310</i>	<i>10</i>	<i>.12</i>	<i>.003</i>	
					<i>GRAINED, GREY-WHITE</i>	<i>266</i>	<i>310-320</i>	<i>10</i>	<i>.05</i>	<i>.001</i>	
<i>348</i>	<i>355</i>				<i>QTZ. PORPHYRY DYKE - DISSEM. PYRITE;</i>	<i>267</i>	<i>320-330</i>	<i>10</i>	<i>.10</i>	<i>.002</i>	
<i>355</i>	<i>486</i>				<i>QTZ. HORNBLLENDE DIORITE - MEDIUM</i>	<i>268</i>	<i>330-340</i>	<i>10</i>	<i>.11</i>	<i>.001</i>	
					<i>GRAINED - 10% PYRITE THROUGHOUT</i>	<i>269</i>	<i>340-350</i>	<i>10</i>	<i>.11</i>	<i>.002</i>	
					<i>FAULT ZONE 376 - 378 HEAVY</i>	<i>270</i>	<i>350-360</i>	<i>10</i>	<i>.14</i>	<i>.001</i>	
					<i>PYRITE ON SLIP FACES</i>	<i>271</i>	<i>360-370</i>	<i>10</i>	<i>.06</i>	<i>.001</i>	
					<i>SILICIFIED FAULT ZONE 468' - 469'</i>	<i>272</i>	<i>370-380</i>	<i>10</i>	<i>.09</i>	<i>.009</i>	
<i>486</i>	<i>499</i>				<i>QUARTZ PORPHYRY DYKE - FINE GRAINED</i>	<i>273</i>	<i>380-390</i>	<i>10</i>	<i>.06</i>	<i>.001</i>	
					<i>GHOSTY PHENOCRYSTS, PYRITE STRINGERS</i>	<i>274</i>	<i>390-400</i>	<i>10</i>	<i>.11</i>	<i>.003</i>	
					<i>45° CONTACTS</i>	<i>275</i>	<i>400-410</i>	<i>10</i>	<i>.08</i>	<i>.001</i>	
<i>499</i>	<i>507</i>				<i>QTZ. HORNBLLENDE DIORITE - MED. GRAINED</i>	<i>276</i>	<i>410-420</i>	<i>10</i>	<i>.08</i>	<i>.002</i>	



## Drill Hole Log

COMPANY *United Gunn Resources Ltd*PROPERTY *Copper Zone*

Section No.

HOLE No. *81-1*

Started		Bearing	Lat.	Collar El.	Logged by <i>R. Phendler</i>		Date <i>9/30/81</i>		
Completed		Angle from Horizon	Dep.	Bottom. El.	Remarks				
Driller		Length	Location	Level					
		RECOVERY		DESCRIPTION	Sample No.	From-To	Interval	ASSAY	
From	To	Interval	%					% Cu	% Mo
507	510			<u>QTZ. PORPHYRY DYKE</u>	277	420-430		.11	.001
510	521			<u>QTZ. HORNBLLENDE DIORITE</u>	278	430-440		.11	.002
				<u>SPECKLED PYRITE</u>	279	440-450		.08	.001
				1' PORPHYRY AT 515' - 516'	280	450-460		.10	.001
521	528			<u>QTZ. PORPHYRY DYKE - LIGHT MED. GREY</u>	281	460-470		.06	.001
				<u>FAULT ZONE 527-528</u>	282	470-480		.14	.001
528	620			<u>HORNBLLENDE DIORITE - WEAK</u>	283	480-490		.13	.006
				<u>SPECKLED PYRITE TO 540' THEN 5%</u>	284	490-500		.26	.001
				AFTER 530' FRACTURED, GOUGY ZONES,	285	500-510		.19	.001
				<u>KAOLINIZED. PORPHYRY DYKE 568'-573'</u>	286	510-520		.10	.003
				<u>FAULT 575-576' GOUGE</u>	287	520-530		.08	.025
				<u>FRACTURED TO 590', THEN MASSIVE</u>	288	530-540		.07	.001
				<u>WITH 5% PYRITE, CHALCOPYRITE SPECKLS</u>	289	540-550		.07	.001
620	678			<u>QTZ. HORNBLLENDE DIORITE - COARSE</u>	290	550-560	CP-526'	.08	.001
				<u>GRAINED - 10% PYRITE, SOME 291?)</u>	528	560-570		.17	.004
				<u>CHALCOPYRITE</u>	292	570-580		.19	.002
678	700			<u>QUARTZ EYE PORPHYRY - FINE GRAINED</u>	293	580-590		.17	.002
				<u>GLASSY, 5% DISSEMINATED PYRITE</u>	294	590-600		.15	.002
700				<u>END OF HOLE</u>	295	600-610		.12	.021
					296	610-620		.22	.001



## Drill Hole Log

COMPANY *United Gunn Resources Ltd* PROPERTY *Copper Zone*

Section No.

HOLE No. *81-2*

Started <i>July 20 1981</i>	Bearing <i>VERTICAL</i>	Lat.	Collar El. <i>7475'</i>	Logged by <i>R. Phendler</i>	Date <i>8/14/81</i>
Completed <i>July 28. 1981</i>	Angle from Horizon	Dep.	Bottom. El.	Remarks	
Driller <i>BUCCANEER D. DRILLING</i>	Length <i>997'</i>	Location	Level	<i>98% Recovery.</i>	

Feet			RECOVERY		DESCRIPTION	MINERALIZATION	Sample No.	FEET		ASSAY			
From	To	Interval		%				From-To	Interval	% Cu	% Mo		
0.0	51.0				CASING		02001	50-57	7'	0.20	.015		
51.0	213				QUARTZ HORNBLLENDE DIORITE - MED. GRAINED		2	57-67	10	0.35	.012		
					PALE-MED. GREY-WHITE; CP THROUGHOUT.	210'-217' CP	3	67-77	10	0.22	.006		
213	216				DACITE DYKE - FINE GR'D, GREY-GREEN, PYRITE	29%	4	77-83	6	0.25	.007		
216	227				QUARTZ HORNBLLENDE DIORITE - MED. GRAINED		5	83-93	10	0.22	.002		
227	237				DACITE DYKE	5% Dy/CP	6	93-103	10	0.14	.029		
237	246				HORNBLLENDE DIORITE - 5% PYRITE	237-247'	7	103-113	10	0.20	.014		
246	248				DIORITE DYKE	2nd slip faces	8	113-124	11	0.16	.005		
248	452				HORNBLLENDE DIORITE - 5% PYRITE DISSEM CP.	CP AT 258'	9	124-136	12	0.18	.002		
					LOCAL CHLORITIZATION, SOME EPIDOTE	261-269'	10	136-143	7	0.22	.001		
					6" DIORITE DYKE AT 276'	272, 281, 295'	11	143-152	9	0.17	.004		
					GENERALLY MASSIVE	298, 306, 313	12	152-161	9	0.18	.003		
					LOCALLY FINER GRAINED	306-368'	13	161-171	10	0.16	.056		
452	503				QUARTZ PORPHYRY - LIGHT GREY. FINE TO MED GR'D	408-414-442	14	171-177	6	0.25	.003		
					5% DISSEM PYRITE 1/4" PYRITE AT 463'	503-507	15	177-187	10	0.36	.011		
					PEGMATIC ZONE	494'-497'	16	187-192	5	0.11	.001		
503	563				QUARTZ HORNBLLENDE DIORITE - MED GR'D.	535-536	17	192-202	10	0.13	.006		
					FELDSPAR 20%	511-522'	18	202-208	6	0.17	.002		
563	577				DIORITE DYKE	578, 584, 596	19	208-218	10	0.88	.017		
577	657				HORNBLLENDE DIORITE	600, 615	20	218-228	10	0.18	.001		

# Drill Hole Log

COMPANY United Gunn Resources Ltd. PROPERTY Copper Zone Section No. HOLE No. 81-2

Started	Bearing	Lat.	Collar El.	Logged by <u>R. Phendler</u>	Date <u>8/14/81</u>
Completed	Angle from Horizon	Dep.	Bottom. El.	Remarks	
Driller	Length	Location	Level		

From	To	Interval	RECOVERY		DESCRIPTION	Sample No.	From-To	Interval	ASSAY			
				%					% Cu	% Mo	gm. Au.	
					PEGMATITE 623-628'	CPAT 658'	21	228-238	10'	0.02	.001	
					5-10% PYRITE, DISSEM.	698'	22	238-248	10	0.30	.010	
657	697				GRAN. DIORITE - FINE GRIND	MO AT	23	248-258	10	0.22	.003	
					PEGMATITE 664-665'	664-672'	24	258-268	10	0.28	.006	
697	705				HORNBLLENDE DIORITE - CSE GRID	680, 722-5	25	268-278	10	0.19	.007	
705	710				DIORITE DYKE - FINE GRIND	723, 723-5	26	278-288	10	0.75	.005	
710	722				HORNBLLENDE DIORITE - CSE GRID	860' 910'	27	288-298	10	0.27	.006	
722	725				DIABASE DYKE - LIGHT GREY, FINE GRIND	895-892, 929	28	298-308	10	0.32	.005	
					CONTACT AT 20° TO CORE	CP-745	29	308-318	10	0.13	.003	
725	856				HORNBLLENDE DIORITE - CSE GRIND	762, 770, 772	30	318-328	10	0.19	.002	
					MASSIVE - 5% PY.	782, 790, 800'	31	328-338	10	0.21	.002	
856	861				DACITE DYKE - FINE GRIND, MO. IN QTZ	817, 825, 837	32	338-348	10	0.24	.005	
					STRGS WITH CP.	842, 848, 857	33	348-358	10	0.29	.004	
861	890				HORNBLLENDE DIORITE - CSE GRIND	865-878-880	34	358-368	10	0.40	.013	
890	968				GRANDIORITY - MED. - FINE GRIND	885-897	35	368-378	10	0.29	.012	
					DACITE (40°) DYKE 891-896 MASSIVE 1/4"	913, 917, 929	36	378-388	10	0.18	.002	
					MO VEIN - 70° AT 892'	948	37	388-398	10	0.20	.006	
					CP SPKS THROUGHOUT	MO. 942'	38	398-408	10	0.25	.008	
968	978				DIORITE DYKE - MED. GREY, FINE GRIND	946, 956, 962'	39	408-418	10	0.21	.008	.01
					80° CONTACT	993, 994	40	418-428	10	0.20	.003	.01

# Drill Hole Log

COMPANY *United Gunn Resources Ltd* PROPERTY *Copper Zone* Section No. HOLE No. *81-2*

Started	Bearing	Lat.	Collar El.	Logged by <i>R. Phendler</i>	Date <i>9/30/81</i>
Completed	Angle from Horizon	Dep.	Bottom. El.	Remarks	
Driller	Length	Location	Level		

From	To	Interval	RECOVERY		DESCRIPTION	Sample No.	From-To	Interval	ASSAY		
				%					% Cu	% Mo	gm Au
978	997				GRANODIORITE FINE GRND - MED. GRAINED	41	428-438	10'	0.38	.011	.01
					DISSEM PYRITE, CP SPKS	42	438-448	10	0.24	.002	.01
					Mo IN QTZ STRGS 893, 894	43	448, 458	10	0.16	.008	.01
997					END OF HOLE	44	458-468	10	0.13	.001	.01
						45	468-478	10	0.10	.001	.01
						46	478-488	10	0.07	.004	.01
						47	488-498	10	0.03	.001	.01
						48	498-508	10	0.19	.004	.01
					INTERVAL LENGTH % Cu. % Mo	49	508-518	10	0.35	.041	.01
					50'-208'	158'	0.204	0.016			
					208-288'	80'	0.353	0.006			
					288-448'	160'	0.250	0.006			
					448-588'	140'	0.169	0.009			
					588-888'	300'	0.393	0.029			
					888-997'	109'	0.168	0.079			
					50-888'	838'	0.290	0.017			
					888-997'	109'	0.168	0.079			
					50-997'	947'	0.276	0.023			
						60	618-628	10	0.21	.021	.01

# Drill Hole Log

COMPANY *United Gunn Resources Ltd*

PROPERTY *Copper Zone*

Section No.

HOLE No. *81-2*

Started	Bearing	Lat.	Collar El.	Logged by <i>R. Phendler</i>	Date
Completed	Angle from Horizon	Dep.	Bottom. El.	Remarks	
Driller	Length	Location	Level		

From	To	Interval	RECOVERY		DESCRIPTION	Sample No.	FEET		Interval	ASSAY		
				%			From-To			% Cu	% Mo	gm Au
						61	628-638			0.24	.028	.01
						62	638-648			0.39	.022	.01
						63	648-658			0.40	.028	.01
						64	658-668			0.14	.007	.01
						65	668-678			0.18	.028	.01
						66	678-688			0.16	.019	.01
						67	688-698			0.36	.016	.01
						68	698-708			0.49	.010	.01
						69	708-718			0.28	.025	.01
						70	718-728			0.22	.024	.01
						71	728-738			0.36	.011	.01
						72	738-740			0.53	.016	.03
						73	748-758			0.28	.037	.01
						74	758-768			0.27	.008	.03
						75	768-778			0.26	.018	.01
						76	778-788			0.32	.024	.01
						77	788-798			0.29	.032	.01
						79	798-808			0.21	.031	.01
						80	808-818			0.22	.032	.03

# Drill Hole Log

COMPANY *United Gunn Resources Ltd*

PROPERTY *Copper Zone*

Section No.

HOLE No. *81-2*

Started	Bearing	Lat.	Collar El.	Logged by <i>R. Phendler</i>	Date
Completed	Angle from Horizon	Dep.	Bottom. El.	Remarks	
Driller	Length	Location	Level		

From	To	Interval	RECOVERY		DESCRIPTION	Sample No.	From-To	Interval	ASSAY		
				%					% Cu	% Mo	gm Au.
						81	818-828	10'	0.34	.014	.01
						82	828-838	10	0.34	.026	.03
						83	838-848	10	0.35	.039	.01
						84	848-858	10	0.44	.012	.04
						85	858-868	10	0.40	.023	.02
						86	868-878	10	0.39	.021	.03
						87	878-888	10	0.32	.226	.01
						88	888-898	10	0.21	.338	.01
						89	898-908	10	0.17	.017	
						90	908-918	10	0.20	.062	
						91	918-928	10	0.15	.031	
						92	928-938	10	0.17	.078	
						93	938-948	10	0.18	.107	.01
						94	948-958	10	0.17	.048	.01
						95	958-968	10	0.19	.078	.01
						96	968-978	10	0.13	.001	.01
						97	978-988	10	0.14	.035	.01
						20098	988-997	10	0.14	.076	.01
					977 - END.						

## Drill Hole Log

COMPANY *United Gunn Resources Ltd*PROPERTY *Copper Zone*

Section No.

HOLE No. *81-3*

Started <i>Aug 2, 1981</i>	Bearing	Lat.	Collar El. <i>7560'</i>	Logged by <i>R. Phendler</i>	Date <i>9/30/81</i>
Completed <i>Aug 7, 1981</i>	Angle from Horizon <i>90°</i>	Dep.	Bottom. El.	Remarks <i>97.6% Recovery.</i>	
Driller <i>Buccaney Drilling</i>	Length <i>506'</i>	Location	Level		

Feet		Interval	RECOVERY		DESCRIPTION	Sample No.	From-To	Interval	ASSAY		
From	To			%					% Cu	% Mo	
<i>0.0</i>	<i>28</i>				<i>OVERBURDEN</i>	<i>20146</i>	<i>28-38</i>	<i>10</i>	<i>.07</i>	<i>.001</i>	
<i>28</i>	<i>142</i>				<i>QUARTZ HORNBLLENDE DIORITE</i>	<i>147</i>	<i>38-48</i>	<i>10</i>	<i>.06</i>	<i>.003</i>	
					<i>MEDIUM GRAINED TO COARSE GRAINED</i>	<i>148</i>	<i>48-58</i>	<i>10</i>	<i>.08</i>	<i>.010</i>	
					<i>5% DISSEM. PYRITE. LIMONITE</i>	<i>149</i>	<i>58-68</i>	<i>10</i>	<i>.18</i>	<i>.002</i>	
					<i>STAINED - POSSIBLE LEACHING</i>	<i>150</i>	<i>68-78</i>	<i>10</i>	<i>.14</i>	<i>.002</i>	
					<i>90-100' 10% PYRITE - SPECKLED</i>	<i>151</i>	<i>78-88</i>	<i>10</i>	<i>.07</i>	<i>.001</i>	<i>✓</i>
					<i>CARB ZONE 85-87'</i>	<i>152</i>	<i>88-98</i>	<i>10</i>	<i>.08</i>	<i>.002</i>	
					<i>HEAVY PYRITE ON SLIP FACES</i>	<i>153</i>	<i>98-108</i>	<i>10</i>	<i>.09</i>	<i>.001</i>	
<i>142</i>	<i>161</i>				<i>QUARTZ PORPHYRY - ALASKITE (2)</i>	<i>154</i>	<i>108-118</i>	<i>10</i>	<i>.08</i>	<i>.001</i>	
					<i>PALE GREY, AMORPHOUS, FINE</i>	<i>155</i>	<i>118-128</i>	<i>10</i>	<i>.06</i>	<i>.001</i>	
					<i>SPECKLED PYRITE, 80° CONTACT</i>	<i>156</i>	<i>128-138</i>	<i>10</i>	<i>.08</i>	<i>.001</i>	
<i>161</i>	<i>178</i>				<i>HORNBLLENDE DIORITE - COARSE GRAINED</i>	<i>157</i>	<i>138-148</i>	<i>10</i>	<i>.07</i>	<i>.001</i>	
					<i>5% PYRITE, DIABASE DYKE 171-173'</i>	<i>158</i>	<i>148-158</i>	<i>10</i>	<i>.10</i>	<i>.002</i>	
<i>178</i>	<i>209</i>				<i>QUARTZ EYE PORPHYRY - GHOSTY</i>	<i>159</i>	<i>158-168</i>	<i>10</i>	<i>.24</i>	<i>.008</i>	<i>~</i>
					<i>PHENOCRYSTS, MEDIUM GREY, FINE</i>	<i>160</i>	<i>168-178</i>	<i>10</i>	<i>.21</i>	<i>.007</i>	
					<i>GRAINED 10% PYRITE, SOME CO.</i>	<i>161</i>	<i>178-188</i>	<i>10</i>	<i>.20</i>	<i>.012</i>	
					<i>60° CONTACT (2ND)</i>	<i>162</i>	<i>188-198</i>	<i>10</i>	<i>.30</i>	<i>.010</i>	
<i>209</i>	<i>227</i>				<i>QUARTZ HORNBLLENDE DIORITE</i>	<i>163</i>	<i>198-208</i>	<i>10</i>	<i>.15</i>	<i>.011</i>	
					<i>10% PYRITE, COARSE GRAINED</i>	<i>164</i>	<i>208-218</i>	<i>10</i>	<i>.24</i>	<i>.001</i>	
					<i>SOME OXIDATION</i>	<i>165</i>	<i>218-228</i>	<i>10</i>	<i>.15</i>	<i>.010</i>	



## Drill Hole Log

COMPANY *United Gem Resources Ltd*PROPERTY *Copper Zone*

Section No.

HOLE No. *81-3*

Started	Bearing	Lat.	Collar El.	Logged by <i>R. Phendler</i>	Date <i>9/30/81</i>
Completed	Angle from Horizon	Dep.	Bottom. El.	Remarks	
Driller	Length	Location	Level		

From	To	Interval	RECOVERY		DESCRIPTION	Mineralization	Sample No.	From-To	Interval	ASSAY		
				%						% Cu	% Mo	
227	271				<u>QUARTZ PORPHYRY - MEDIUM GREY</u>		166	228-238	10	.04	.001	
					FINE GRAINED	WEAK Py	167	238-248	10	.04	.001	
					10" HORNBLLENDE DIORITE 266-267		168	248-258	10	.01	.001	
271	312				<u>QUARTZ HORNBLLENDE DIORITE</u>		169	258-268	10	.05	.001	
					MEDIUM TO COARSE GRAINED, LIGHT		170	268-278	10	.12	.003	←
					GREY-WHITE GRANULAR, MASSIVE		171	278-288	10	.09	.001	
						5% Py	172	288-298	10	.19	.001	
					296-307' 15% PYRITE		173	298-308	10	.18	.005	
312	349				<u>QUARTZ PORPHYRY (GHOSTY)</u>		174	308-318	10	.09	.001	
					PHENOCRYSTS AMORPHOUS	SPK'D PY	175	318-328	10	.01	.001	
					MEDIUM-GREY, MASSIVE		176	328-338	10	.05	.001	
					LAST TWO FEET BLEACHED & SHEKRED		177	338-348	10	.01	.001	
349	506				<u>QUARTZ HORNBLLENDE DIORITE</u>		178	348-358	10	.08	.001	
					COARSE GRAINED, MASSIVE. FEW	10% PYRITE	179	358-368	10	.20	.006	
					LONGITUDINAL JOINTS AND CROSS	TO 360, THEN	180	368-378	10	.09	.003	
					QUARTZ VEINS TO 1/4"	5% AS VEINS	181	378-388	10	.22	.005	
506		END OF HOLE					182	388-398	10	.15	.001	
							183	398-408	10	.12	.002	
							184	408-418	10	.24	.001	
							185	418-428	10	.09	.001	

# Drill Hole Log

COMPANY *United Gunn Resources Ltd*

PROPERTY *Copper Zone*

Section No.

HOLE No. *81-3*

Started	Bearing	Lat.	Collar El.	Logged by <i>R. Phendler</i>	Date <i>9/30/81</i>
Completed	Angle from Horizon	Dep.	Bottom. El.	Remarks	
Driller	Length	Location	Level		

From	To	Interval	RECOVERY		DESCRIPTION	Sample No.	From-To	Interval	ASSAY			
				%					% Cu	% Mo		
						186	428-438	10	.11	.001		
						187	438-448	10	.14	.001		
						188	448-458	10	.32	.001		
						189	458-468	10	.20	.001		
					FROM TO LENGTH %Cu %Mo	190	468-478	10	.27	.002		
					28' 158' 130'	191	478-488	10	.35	.001		
					158 228 70	192	488-498	10	.08	.001		
					228 378 150	193	498-506	8	.12	.001		
					378 488 110							
					488 506 18							
					158' 488' 330				0.15	0.004		

## Drill Hole Log

COMPANY *United Gunn Resources Ltd.*PROPERTY *Copper Zone*

Section No.

HOLE No. *81-4*

Started <i>Aug 9, 1981</i>	Bearing	Lat.	Collar El. <i>7930'</i>	Logged by <i>R. Phendler</i>	Date <i>8/14/81</i>
Completed <i>Aug 14, 1981</i>	Angle from Horizon <i>VERT</i>	Dep.	Bottom. El.	Remarks <i>98.1% Recovery</i>	
Driller <i>Buccaneer Drilling</i>	Length <i>500'</i>	Location	Level		

Feet		Interval	RECOVERY		DESCRIPTION	Sample No.	From-To	Interval	ASSAY			
From	To			%					% Cu.	% Mo.		
0	36				CASING	20099	36-46	10'	0.05	.003		
36	85				QUARTZ PORPHYRY - FINE TO MED. GRID MASSIVE - LIMONITE - STAINED	Cp Spks 42' 213	46-56	10	0.07	.002		
85	91				DIORITE DYKE 30° CONTACT	237, 309	66-76	10	0.06	.002		
91	127.5				QUARTZ PORPHYRY - LIGHT GREY MED-FINE GR'D LIMONITE STAINED	103 104	76-86	10	0.07	.001		
127.5	130				LAMPROPHYRE DYKE - DK. GREY TO BLACK APHANITIC	105 106	96-106	10	0.04	.008		
130	261				QUARTZ PORPHYRY - FINE GR'D MINOR DISSEM PYRITE, LIMONITE STAINED TO 148' QTZ EYES THROUGHOUT FIRM. MASSIVE PARTLY OXIDIZED 225-235' MALACHITE 230'-235', 240-251'	107 108 MO-235 110 111 112	116-126	10	0.03	.004		
261	265				DACITE DYKE - PALE GREY, FINE GRAINED	113	176-186	10	0.01	.001		
265	359				QUARTZ PORPHYRY - FINE GRAINED, PALE GREY-WHITE. 279-281 - LAMPROPHYRE DYKE WEAK DISSEM PYRITE, OXIDIZED 337'-350' ROUNDED QUARTZ PHENOCRYSTS	114 115 116 117	186-196	10	0.01	.001		
359	364				DIORITE DYKE, DARK GREY, FINE GRAINED	118	226-236	10	0.06	.001		
									0.08	.004		
									0.14	.005		

# Drill Hole Log

COMPANY United Gunn Resources Ltd PROPERTY Copper Zone Section No. HOLE No. 81-4

Started	Bearing	Lat.	Collar El.	Logged by <u>R. Phendler</u>	Date <u>8/14/81</u>
Completed	Angle from Horizon <u>VERT</u>	Dep.	Bottom. El.	Remarks	
Driller	Length <u>500'</u>	Location	Level		

From	To	Interval	RECOVERY		DESCRIPTION	Sample No.	FEET		ASSAY			
				%			From-To	Interval	% Cu	% Mo		
364	485.5				<u>QUARTZ EYE PORPHYRY</u>	20119	236-246	10'	0.16	.006		
					<u>BUFF WHITE, FINE TO MEDIUM GRAINED</u>	120	246-256	10	0.15	.005		
485.5	487				<u>DIORITE DYKE - DARK GREY, FINE GRAINED</u>	121	256-266	10	0.01	.002		
487	500				<u>QUARTZ EYE PORPHYRY</u>	122	266-276	10	0.02	.001		
					<u>BARREN</u>	123	276-286	10	0.01	.001		
500	END OF HOLE					124	286-296	10	0.01	.001		
						125	296-306	10	0.01	.001		
						126	306-316	10	0.01	.001		
					FROM TO LENGTH % Cu % Mo	127	316-326	10	0.01	.001		
					36' 146' 110' .06 .003	128	326-336	10	0.01	.001		
					146 196 50 .01 .001	129	336-346	10	0.01	.002		
					196 226 30 .07 .002	130	346-356	10	0.02	.001		
					226 256 30 .15 .005	131	356-366	10	0.03	.001		
					256 466 210 .01 .002	132	366-376	10	0.01	.001		
					466 500 34 .08 .007	133	376-386	10	0.01	.003		
						134	386-396	10	0.01	.003		
						135	396-406	10	0.01	.001		
						136	406-416	10	0.01	.002		
						137	416-426	10	0.02	.001		
						138	426-436	10	0.01	.001		



## Drill Hole Log

COMPANY *United Gunn Resources Ltd*PROPERTY *Copper Zone*

Section No.

HOLE No. *81-5*

Started <i>Aug. 16. 1981</i>	Bearing	Lat.	Collar El. <i>7770'</i>	Logged by <i>R. PHENDLER</i>	Date <i>9/30/81</i>
Completed <i>Aug. 20. 1981</i>	Angle from Horizon <i>90°</i>	Dep.	Bottom. El.	Remarks <i>96.7% RECOVERY</i>	
Driller <i>BUCANEER DRILLING</i>	Length <i>502'</i>	Location	Level		

Feet		Interval	RECOVERY		DESCRIPTION	Sample No.	From-To	Interval	ASSAY			
From	To			%					%Cu	%Mo		
00	71.0				OVERBURDEN	20194	71-81	10	.01	.001		
71.0	114.0				QUARTZ HORNBLLENDE DIORITE MEDIUM GRAINED. CHALCOPIRITE	195	81-91	10	.02	.001		
					LIMONITE STAINING, SOME PYRITE STRINGERS AT 269', 290'	196	91-101	10	.01	.001		
					FRESH MASSIVE, LIGHT GREY	319	101-111	10	.06	.001		
114	193				QTL. PORPHYRY, FINE GRAINED, MEDIUM GREY	198	111-121	10	.03	.001		
					LOW IN FERROSILICATES, ROUNDED QUARTZ EYES	199	121-131	10	.01	.001		
					PORPHYRYTIC, FRESH CALCITE STRINGER AT 160'	200	131-141	10	.01	.001		
					PARALLEL TO CORE	201	141-151	10	.01	.001		
193	196				QUARTZ HORNBLLENDE DIORITE - MED. GRAINED	202	151-161	10	.02	.001		
					DISSEMINATED PYRITE	203	161-171	10	.01	.001		
196	204				DIORITE DYKE DARK GREY, FINE GRAINED	204	171-181	10	.01	.001		
204	227				QUARTZ EYE PORPHYRY - BARREN	205	181-191	10	.01	.001		
227	250				QUARTZ HORNBLLENDE DIORITE MEDIUM TO	206	191-201	10	.01	.001		
					COARSE GRAINED. DISSEMINATED PYRITE, FRESH.	207	201-211	10	.01	.001		
					KADLIZED 238 - 240'	208	211-221	10	.01	.001		
250	253				DIORITE DYKE, DARK GREY, FINE GRAINED	209	221-231	10	.01	.001		
253	340				QUARTZ HORNBLLENDE DIORITE, COARSE	210	231-241	10	.02	.001		
					GRAINED, MED-LIGHT GREY, KAOLINIZED	211	241-251	10	.03	.001		
					265-267, DISSEMINATED PYRITE & CHALCO-	212	251-261	10	.07	.001		
					PYRITE	213	261-271	10	.10	.001		

## Drill Hole Log

COMPANY *United Gunn Resources Ltd.*PROPERTY *Copper Zone*

Section No.

HOLE No. *81-5*

Started		Bearing	Lat.	Collar El.	Logged by		Date			
Completed		Angle from Horizon	Dep.	Bottom. El.	Remarks					
Driller		Length	Location	Level						
From	To	Interval	RECOVERY		DESCRIPTION	Sample No.	From-To	Interval	ASSAY	
			%	%					% Cu	% Mo
340	343				LAMPROPHIRE DYKE, FINE-GRAINED, DARK GREY, 1ST CONTACT PARALLEL TO CORE, 2ND CONTACT AT 80°	214	271-281	10	.05	.001
						215	281-291	10	.13	.001
						216	291-301	10	.08	.001
343	373				QUARTZ HORNBLLENDE DIORITE, LIGHT GREY MEDIUM TO COARSE GRAINED 10% DISSEMINATED, PYRITE, SOME CHALCOPHYRITE	217	301-311	10	.05	.001
						218	311-321	10	.09	.003
						219	321-331	10	.08	.002
373	376				DIORITE DYKE, FINE GRAINED, MEDIUM GREY	220	331-341	10	.04	.001
376	468				QUARTZ HORNBLLENDE DIORITE, DISSEMINATED (10%) PYRITE. FEW QUARTZ STRINGERS LOCAL FINER GRAINED ZONES GRADUAL CHANGES, FEW PYRITE THREAD VEINS	221	341-351	10	.08	.003
						222	351-361	10	.06	.002
						223	361-371	10	.04	.001
						224	371-381	10	.02	.001
468	473				DIORITE DYKE, DARK-MED. GREY, PORPHYRY-TIC, MASSIVE	225	381-391	10	.05	.001
						226	391-401	10	.03	.001
473	502				FINE GRAINED ALASKITE - PALE GREY EXTREMELY COMPETENT FRESH, SILICEOUS L 5% MAFICS, BARREN (QTZ PORPHYRY?)	227	401-411	10	.10	.002
						228	411-421	10	.09	.010
						229	421-431	10	.11	.005
502	END OF HOLE					230	431-441	10	.04	.001
						231	441-451	10	.10	.002
						232	451-461	10	.06	.001
						233	461-471	10	.04	.001





R. W. PHENDLER, P.Eng., GEOLOGICAL CONSULTANT,  
EXPLORATION AND MINING  
360 DECOURCY CRES., RICHMOND, B.C. V7C 4E9 (604) 271-2588

November 2, 1981

United Gunn Resources Ltd.  
1015 - 470 Granville St.  
Vancouver, B.C.

Attention: Mr. R. Nosalek

Re: Summary of Results of 1981 Diamond  
Drill Program - Copper Zone  
Property, British Columbia.

Dear Mr. Nosalek:

Between July 20 and August 30, 1981 five diamond drill holes totalling 3,205 feet were completed as follows:

<u>D.H. No.</u>	<u>Bearing</u>	<u>Angle</u>	<u>Length</u>	<u>Recovery</u>
81 - 1	due east	-45 <sup>o</sup>	700'	93.8%
81 - 2	-	vertical	997'	98.0%
81 - 3	-	vertical	506'	97.6%
81 - 4	-	vertical	500'	98.7%
81 - 5	-	vertical	502'	96.7%

These holes were drilled in the area where seven holes had been drilled in the past and where interesting results existed.

The assay results of all holes drilled to date are as follows:

<u>D.H. No.</u>	<u>Intersection</u>	<u>Depth</u>	<u>% Cu</u>	<u>% Mo</u>
81 - 1	80' to 680'	600'	0.16	0.003
81 - 2	50' to 997'	947'	0.28	0.020
81 - 3	158' to 488'	330'	0.15	0.004
81 - 4	226' to 256'	30'	0.15	0.005
81 - 5	251' to 461'	210'	0.07	0.002
A - 1	50' to 380'	330'	0.23	0.007
A - 2	40' to 400'	360'	0.12	0.004
72 - 1	250' to 400'	150'	0.22	0.005
72 - 2	180' to 300'	120'	0.284 (Equivalent)	-

<u>D.H. No.</u>	<u>Intersection</u>	<u>Depth</u>	<u>% Cu</u>	<u>% Mo</u>
PH - 1	50' to 400'	340'	0.21	0.007
PH - 2	40' to 220'	180'	0.19	0.005
PH - 3	10' to 200'	190'	0.12	0.005
PH - 4	30' to 300'	270'	0.10	0.007

With the limited amount of information available to date it appears that there is a north northwesterly trending zone of mineralized granodiorite that may average 0.28% Cu and 0.012% Mo. This is bounded on either side by material that may run in the 0.10 - 0.15% Cu and 0.005% Mo.

The quartz porphyry on the east side of the area is considered to be unfavourable.

An attempt was made to calculate reserves only including information from drill holes that have intersections that average greater than 0.20% Cu. Projections from drill holes are a maximum of 200 feet. A summary of these reserves are as follows:

<u>D.H. NO.</u>	<u>Tons</u>	<u>% Cu</u>	<u>% Mo</u>
81 - 1	1,300,000	0.25	.004
PH - 1	2,800,000	0.21	.007
A - 1	2,200,000	0.23	.007
81 - 2	11,100,000	0.29	.017
72 - 2	1,300,000	0.284	-
72 - 1	<u>2,000,000</u>	<u>0.22</u>	<u>.005</u>
	20,700,000	0.28	0.012


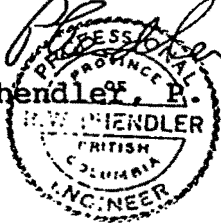
These blocks are shown on the accompanying plan and vertical sections.

It is interesting to note that the deepest hole (81 - 2) has the best grade material throughout with the best intersection from 588' to 888' averaging 0.393% Cu and 0.029% Mo.

COMMENT

Additional drilling is warranted along strike from the northerly striking higher grade zone. It is suggested that holes should be a minimum depth of 1,000 feet.

Yours truly,

  
R.W. Phendler, P. Eng.  


ILLUSTRATIONS

Fig. 1 - Plan of drill holes	1" = 400'
Fig. 2 - Section 0 + 00	" "
Fig. 3 - Section 7 + 00 N	" "
Fig. 4 - Section 14+ 00 N	" "
Fig. 5 - Section 20+ 00 N	" "

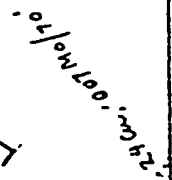
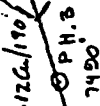
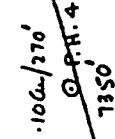
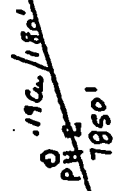
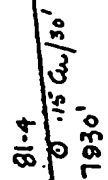
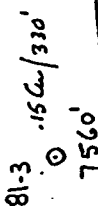
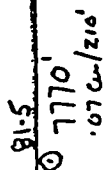
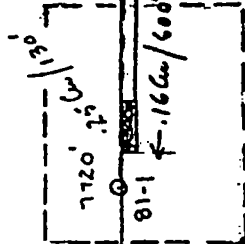
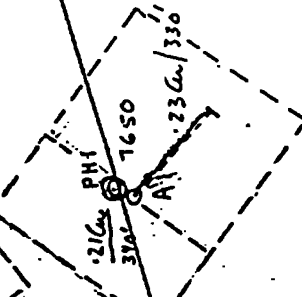
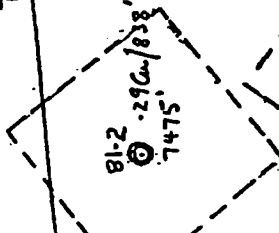
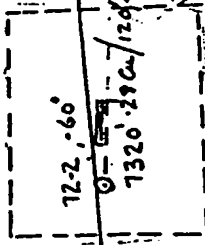
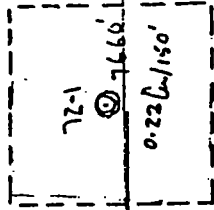
REFERENCE LINE

SECTION 20+00N

SECTION 19+00N

SECTION 14+00N

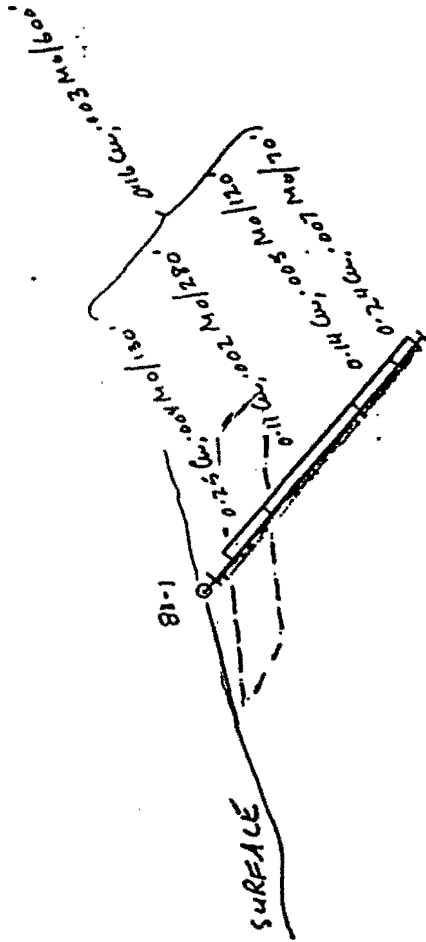
SECTION 0+00



UNITED GUNN RESOURCES  
COPPER ZONE  
SHOWING DRILL HOLES, SECTIONS  
AND RESERVE BLOCKS - (C)  
R. PRENDLER  
Nov. 1981

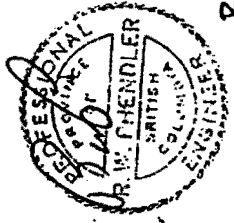
1" = 460'

Fig. 1



7000

REFERENCE LINE



UNITED GUNN RESOURCES

COPPER ZONE

SCALE 1"=400'



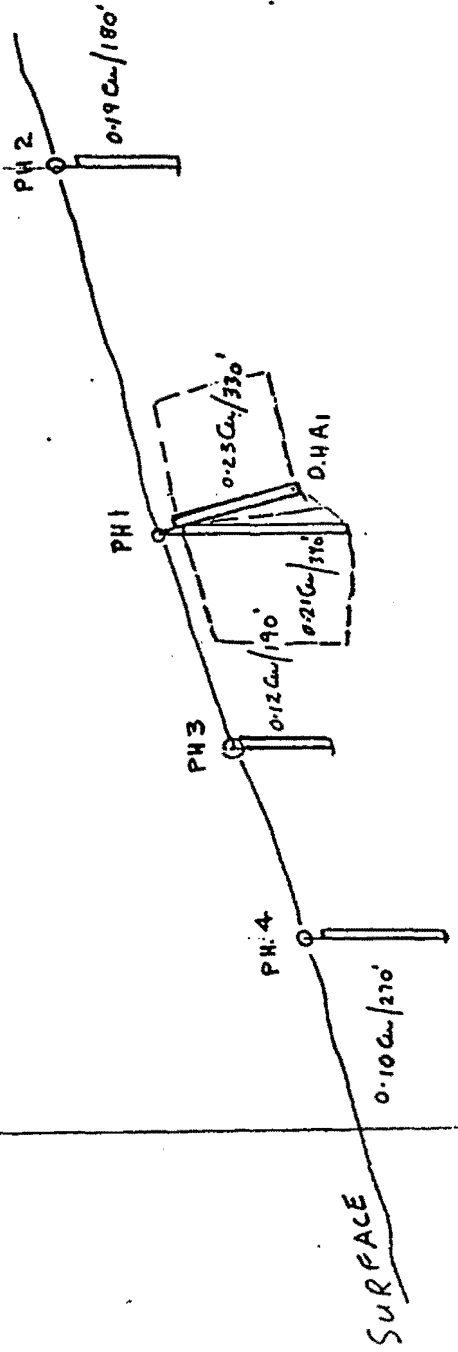
R. PHENDLER

NOV. 1981

SECTION 0+00

LOOKING NORTH

Fig 2



UNITED GUNN RESOURCES

COPPER ZONE

SCALE 1" = 400'

NOV, 1981



SECTION 7+00N

LOOKING NORTH

FIG 3

SURFACE

81-4

Quartz Porphyry

.15 Cu/30'

81-3

.09 Cu/30'

.15 Cu, 0.04 Mo/30'

81-2

.29 Cu, 0.17 Mo  
.83%

Heublande  
Diorite

.168 Cu, 0.04 Mo  
1.0%

72-2

.28 Cu/12'

7000'

7000'

REFERENCE LINE

UNITED GUNN RESOURCES

COPPER ZONE

SCALE 1" = 400'



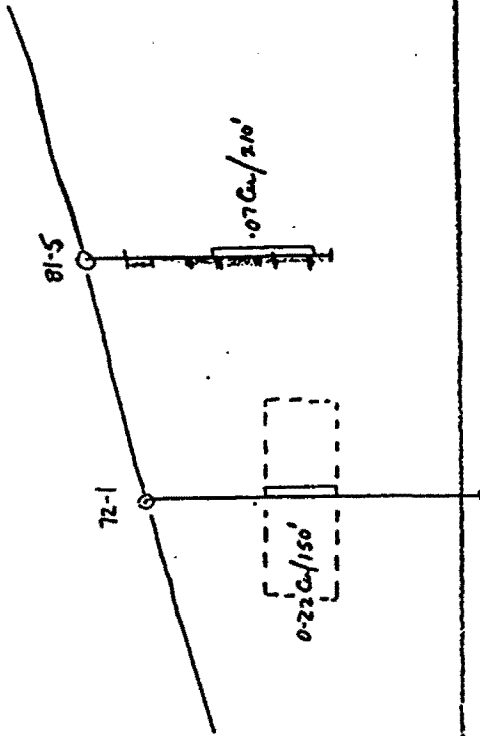
NOV. 1981



SECTION 14+00N

LOOKING NORTH

Fig 4



REFERENCE LINE



UNITED GUNN RESOURCES

COPPER ZONE  
SCALE 1" = 400'

NOV, 1981

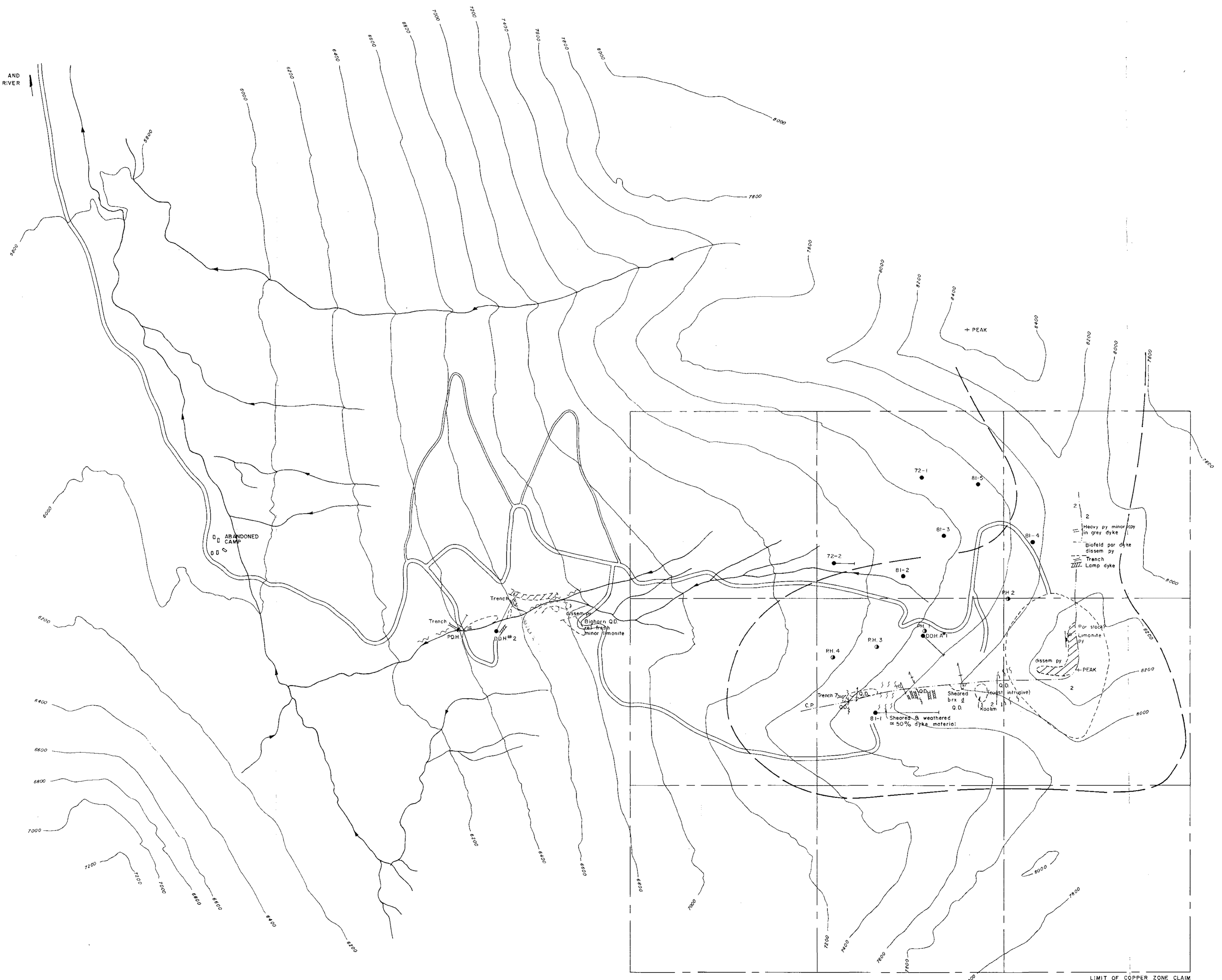
R. PHENDLER

SECTION 20+00 N  
LOOKING NORTH

Fig 5



AIRSTRIP AND  
TASEKO RIVER  
CAMP



**LEGEND:**

- 2 LATE PORPHYRY DYKE
- Q.D. 1 QUARTZ DORITE
- FAULTS
- JOINTING
- OUTLINE OF GOSSAN
- DIAMOND DRILL HOLE
- PERCUSSION DRILL HOLE
- ROAD
- STREAM
- 7800 ELEVATION CONTOUR, INTERVAL = 200'

MINERAL RESOURCES BRANCH  
ASSESSMENT REPORT  
**10455**  
No.

UNITED GUNN RESOURCES LTD.  
— COPPER ZONE PROPERTY —  
TASEKO LAKE AREA, CLINTON MINING DIVISION, B.C.

**GEOLOGY & DRILL HOLES**

