Mine	Department s and Petroleur	of Whist, Webber & Wood	ruff	- - -	
J.A. B. WHIST	ABSESSMENT R	NOTARIES PUBLIC		TELEPHONE 374-4463 Telex 048-8235	
KENT G, WOOL	Mr. E. J. Bowles Chief Gold Commi;	ssioner	SUITE 2	00 - 124 SEYMOUR STREET	
FILE NO.:	850 (146) & 3307	(26)	· .		
			September 10th	, 1974	
	Department of Mines and Petroleum Resources, Parliament Buildings, Victoria, B.C.				
	Dear Sir:-		· · · · · · · · · · · · · · · · · · ·	8	
	9781	Re: Your Reference 166-Omi Reiseter Mineral Clair Diamond Drilling Repor	ineca as et #5012	DEPT. OF MINES ETROLEUM RESOURCES	

With reference to your letter of July 25th and also September 4th, 1974 we have, at last, been able to reach our geological engineers, Kerr & Dawson. Unfortunately, they are both tied up out of the Province until approximately three weeks. In that Mr. Kerr is familiar with the property and had in fact filed the previous Affidavit, of which you are aware, on the same claims, we would like him to do the proper reports. He is, however, as we intimated, unavailable for three weeks and we would ask for a further extension. In the meantime, we are, however, enclosing the following information, not in lieu of a proper report but what in fact will be included in the report when the same is submitted. If, in fact, you cannot grant the extension for Mr. Kerr's return, we will, of course, retain another consulting engineer to prepare the report, however, he would have no personal knowledge of the same.

We are therefore herein enclosing the following:

- 1. Two copies of index map being the location of the properties.
- 2. Two copies of the plan of drill holes.
- 3. A cost statement noting that we have previously sent you the invoice.
- 4. We confirm that the core has been and still is stored at the avalanche building Versatile Mining Services Ltd., West Trans-Canada Highway, Kamloops, B. C.

#1 Index map #2 Drill-hole locations Whist, Webber & Woodruff

2.

We trust that this is satisfactory and await your decision with regard the extension.

We are also herein re-submitting two copies of the diamond drill logs which you returned to ourselves.

If there is any further information that we could supply pending a proper report, please do not hesitate to contact the writer.

Yours very truly,

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WHIST , WEBBER & WOODRUFF

Per:-

Woodruff G. Kent

KGW/pm encl. c.c. Mr. A. Wm.,Milton Mining Recorder, Box 340, Smithers, B.C.

NORTHWEST TERRITORIES YUKON REISETER PROPERTY ALBERTA • Smithers Prince Rupert BRITISH APrince George Edmonton e COLUMBIA Department of Mines and Petroleum Resources ASSESSMENT REPORT 5012 MAP # NO. Vancouver UNITED STATES CHANNEL COPPER MINES LTD. N.P.L. LOCATION MAP REISETER PROPERTY Tech-Work by : KDA. Scale = 1" : 120 mi. Drawn by Western Mopping Date : July, 1973 App'd by J. Kerr Drwg. No. 78 - 1

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COST STATEMENT

(1)	Field Personnel:					
	George Burdett -	Daily inspection of diamond drill progress (\$30.00 x 1 ⁴ days)	\$420.00			
	John Kerr - consu	lting re: diamond drill hole location (\$125.00 x 3 1/2 days)	\$437.50			
	Wright Drilling -	drilling, labour cost re: drilling	\$7,486.37	\$8,343.87		
(2)	Transporation:					
	Airfare for Claude W. Dansey re: location of drill holes \$106.00					
	John Kerr - Truck	Rental	\$225.00			
	Wright Drilling -	· Airfare Busfare Truck rental	\$225.00 \$ 50.00 \$925.00_	\$1,531.00		
(3)	Room and Board:					
	John Kerr Wright Drilling		\$ 68.91 <u>\$1,650.00</u>	\$1,718.91		
(4)	Cat Work:					
	Ed Walton		\$280.00			
	Wright Drilling -	- tractor cost for clearing drill sites and building first water pump	\$300.00	\$ 580.00		
(=)	Fauinmont routel	curvel pump	<u></u>			
()	fuel cost re: dri Drilling	illing - Wright		\$4,595.77		
		TOTAL COST :		\$16,769.55		
	CERTIFIER CORRECT					

Kent G. Woodruff - Director

DIAMONO DRILL LOG

CHANNEL COPPER MINES LTD. (N. P. L.)

REISETER PROPERTY

Drill Hole No: R-73-1. Location: L 16+00W@ 1+00N Core Size: BQ Angle of Hole: Vertical Final Depth: 373' Logged by: J. Kerr, P. Eng. and J. Dawson, P. Eng. Estimated Core Recovery: 99%

SUMMARY LOG

0 - 242 - Fine - grained, silicified gray-black argillite and greywacke. Pyrite abuncant mainly along fracture faces (1 - 1½%) MoS₂ observed in quartz veins as noted on detailed log.

242 - 321.5 - Mafic free light coloured medium-coarse grained granodiorite with abundant blebs and disseminations of pyrite (2-5%), and traces of MoS₂. Secondary sericite is widespread throughout rock, with kaolinite along fractures.

321.5 - 373 - Fine grained grey argillite with some pyrite and v. minor MoS₂.

DETAILED LOG

0 - 12'	Overburden
12 - 20'	Sample R - 1 Lost Core - 2½'
	Fine grained dark grey-black silicified
	argillite or greywacke. Limonite and
	pyrite seams along fracture faces.
20 - 30'	Sample R - 2 Lost Core - ½'
	Light dark grey silicified argillite
	as previous section. Pyrite, limonite and
	rusting on fracture faces.
30 - 40'	Sample R - 3 Lost Core - 0
	Argillite, as previous section, with
	pyrite and minor limonite on fractures.
40 - 50*	Sample R - 4 Lost Core - 0
	Argillite as above with stringers of
	pyrite.
50 - 60'	Sample R - 5 Lost Core - 0
	Argillite as above, with stringers of pyrite.
60 - 70'	Sample R - 6 Lost Core - 0
	Interbedded argillite, as above, with coarse
	greenish greywacke. Frequent epidote alter-
	ation and pyrite along fractures.
	60.5 - 62) 63 - 68) greywacke

70 - 80' Sample R - 7 Lost Core - 0 Interbedded argillite and greywacke as above. Abundant pyrite seams. 79' - thin qtz vein with MoS₂ 79.5' - 1" series of small qtz veins with traces of MoS₂ 80 - 90' Sample R - 8 Lost Core - 0 Argillite and greywacke as previous section with abundant pyrite seams. 83.8' - Trace MoS₂ on fracture. ' - MoS₂ & pyrite on fracture face. 84 ' - ¼" qtz vein with MoS₂ 88 Sample R - 9 90 - 100' Lost Core - 0 Argillite with some bands of fine grained brownish siltstone (brecciated in part). Pyrite common. 96' - 1'z" qtz vein with trace of MoS, Sample R - 10 100 - 110' Lost Core - 0 Argillite and siltstone as above with pyrite in fractures. 105.51 } Qtz stringers with MoS₂ 108.51) 110 - 120' Sample R - 11 Lost Core - 0 Argillite as above 116.5' - 4" qtz stringer with MoS₂ 117.4' - $\frac{1}{2}$ " qtz vein with MoS₂

120 - 130' Sample R - 12 Lost Core - 0 Black to gray fine grained siliceous argillite – pyrite less abundant 130 - 140' Sample R - 13 Lost Core - 0 Argillite as above - pyrite abundant 136.5' - 1/8" qtz vein with trace of MoS, Sample R - 14 140 - 150' Lost Core - 0 Argillite as above - abundant pyrite stringers 142.5' - qtz stringer with MoS₂ 144.5' - qtz stringer with MoS, 147.3' - qtz stringer with MoS₂ Sample R - 15 150 - 160' Lost Core - 0 Light grey argillite or siltstone as abovesome pyrite on fracture faces, associated with secondary calcite. General widespread secondary silicification of rock. 160 - 170' Sample R - 16 Lost Core - 0 Light grey argillite as above - pyrite associated with calcified and silicified fractures. MoS, vein fine grained associated with pyrite at 166'. 169/5' - 170' - strong qtz vein - possible trace of MoS₂. 170 - 180' Sample R - 17 Lost Core - 0 Rock light grey argillite or greywacke, becoming more silicified and developing a hornfelsic tex-Rock developing a phyllitic texture ture. breaking easily along cleavage planes. 173' - strong pyrite zone - possibly some MoS₂.

180 - 190' Sample R - 18 Lost Core - 0 Light grey argillite - hornfelsic and phyllitic as above. Developing spotted texture 189 - 190'. Pyrite common along fractures. Trace content of disseminated pyrite. 190 - 200' Sample R - 19 Lost Core - 0 Light grey fissile argillite as above. 190 - 192' - Traces MoS, noted. Pyrite throughout core in fractures. 200 - 210' Sample R - 20 Lost Core - 0 Argillite (or possibly greywacke), as above. Traces of pyrite along fractures and cleavage planes. 210 - 220' Sample R - 21 Lost Core - 0 Light grey fissile argillite as above 213.5' - Qtz seam pyrite and trace MoS₂. 217' - 2" Qtz vein pyrite, arsenopyrite and possibly trace of chalcopyrite. 220 - 230' Sample R - 22 Lost Core - 0 Argillite as above -thermal altermation more intense. 223' - 6" wide granitic dike. 223 - 224' - Intense alteration - pyrite. 226' - Pyrite and arsenopyrite in qtz vein.

230 - 242*

Sample R - 23 Lost Core - 0

Dominantly thermally altered argillite as above, except for dike as noted below. Some talc on fracture faces. 236 - 239 - Granodiorite dike, medium coarse grained. Abundant pyrite, with traces disseminated MoS₂.

242 - 250'

Sample R - 24 Lost Core - 0

White - light grey granodiorite, almost devoid of any mafics. Fine - medium grained near contact at 242' becoming quite coarsed grained. Large crystals and blebs of pyrite disseminated throughout rock, estimated content 2 - 3%. Possibly some fine traces of MoS₂ and magnetite (not positively identified).

General widespread sericite alteration, more pronounced on fracture faces.

250 - 260' Sample R - 25 Lost Core - 0
Light grey - white granodiorite as above. Pyrite 2 - 3% throughout rock, with fine traces MoS₂. Obvious MoS₂ at 254' in pyrite rich zone.
259½' - shear and gouge zone.
260 - 270' Sample R - 26 Lost Core - 0
Light grey and coarse grained granodiorite as above. High content disseminated pyrite - 2%. No definitely recognized MoS₂ - however some likely present as fine grains associated with

265 - 268' - Rock finer grained.

pyrite.

270 - 280' Sample R - 27 Lost Core - 0 Granodiorite, as above - with 2% diss.

pyrite. Magnetite blebs quite common, possible oxide alteration of pyrite. Light blue-grey tinge around pyrite possibly MoS₂; however, likely magnetite. 285' - Very fine needles of tourmaline.

280 - 290' Sample R - 28 Lost Core - 0

> Granodiorite as above, with 2% pyrite and some blebs of magnetite. No MoS₂ noted. Some quartz veining present. 287 - 288.5' - Possible fault zone.

> > Sample R - 29 Lost Core - 0

Granodiorite as above, alteration becoming more intense, mainly sericite with some kaolinite and quartz veining in fracture zones. Fracture density increasing with depth. Persistent pyrite 2 - 3%. 293 - 294 - Some traces of MoS₂.

300 - 310' Sample R - 30 Lost Core - 0

> Granodiorite, becoming highly altered with sericite, and kaolinite. Pyrite, 2 - 3%, and some magnetite throughout section. 307' - Fault zone,

310 - 321.5'

290 - 300'

Sample R - 31 Lost Core - 0

 Granodiorite becoming more intensely altered towards contact at 321.5'. Rock very fractured and broken. Pyrite content high, with some MoS₂ at contact (321.5').

321.5 - 330' Sample R - 32 Lost Core - 0 Light grey argillite or greywacke. Thermally altered with carbonate and quartz veining. Pyrite associated with veining > 1% content. 330 - 340' Sample R - 33 Lost Core - 0 Fine - grained grey argillite, becoming less thermally altered. Pyrite persistent 1/2 - 1% except as noted below. 331 - 332' - Recemented shear zone with abundant pyrite (3 - 5%), and perhaps traces MoS₂. 336.5' - 2" quartz vein with pyrite and black metallic mineral (sphalerite?) 337' - speck of sphalerite on fracture. 340 - 350' Sample R - 34 Lost Core - 0 Argillite as above, becoming thinly banded. Rock in general quite massive with recemented and pyrite filled fractures. 350 - 360' Sample R - 35 Lost Core - 0 Argillite, quite massive, with pyrite filled fractures, as above. 360 - 373' Sample R - 36 Lost Core - 0 Argillite as above, with pyrite along fracture faces. 363 - 364' - traces cpy on fractures. END OF HOLE. 373' 'fer

DIAMOND DRILL LOG

CHANNEL COPPER MINES LTD. (N. P. L.),

REISETER PROPERTY

HOLE NO: R - 73 - 2

LOCATION: L 28 + 00W @ 1 + 00N

FINAL DEPTH: 500'

- DIP: Vertical
- LOGGED BY: J. Kerr, P. Eng.

CORE SIZE: BQ



SUMMARY LOG

0 - 500' Dark to light grey, fine - grained siliceous argillite or greywacke, interbedded with fine - grained light grey siltstone. Small quartz veins abundant carrying moderate amounts of pyrite estimated ½ - 2% content.

> Trace contents of cpy, MoS_2 , Sb_2S_3 , galena and sphalerite noted throughout hole as in detailed log.

DETAILED LOG

0 - 3'Overburden 3 - 10' Sample R - 37 Lost Core - 1/2" Dark grey - black, fine grained, siliceous and thermally altered argillite. Rock is moderately fractured with limonite and leached pyrite on fracture faces. 10 - 20' Sample R - 38 Lost Core - 0 Dark grey argillite with pyrite and argillite along fracture faces. 20 - 30' Sample R - 39 Lost Core - 0 Dark grey argillite as above with pyrite along fractures. Odd breccia zone with alteration and pyrite in some breccia fragments. 30 - 40' Sample R - 40 Lost Core - 0 Argillite as above, with several fractures parallel to core axis with pyrite. 32.5' - pyrite in ½" qtz vein - possible trace MoS₂. 40' - 2 - $\frac{1}{4}$ " qtz veins - sphalerite. 40 - 50' Sample R - 41 Lost Core - 0 Hard, silicified argillite as above, with abundant pyrite in qtz seams.

3. 40 - 50' (cont'd) 45.5' - $\frac{1}{2}$ " qtz vein with MoS₂(fine) 46' - $\frac{1}{4}$ " qtz vein with trace MoS₂ 49' - ¼" qtz vein with sphalerite (green altn/min). 50 - 60' Sample R - 42 Lost Core - 0 Dense, hard silicified argillite, light gray in colour. Pyrite abundant in many hairline insipient fractures. 55.5' - MoS, in 1/8" fracture - Spalerite and galena in qtz vein. 59' 60 - 70' Sample R - 43 Lost Core - 0 60 - 64' Dark grey argillite 64 - 70' Light grey siltstone or argillite Many insipient fractures with pyrite. 67' - 1/8" qtz vein - possibly MoS₂. 68.5' - ½" qtz vein - sphalerite as blebs. 70 - 80* Sample R - 44 Lost Core - 0 Alternating light and dark grey hard, silicified argillite or siltstone. Abundant pyrite as above. 80 - 90* Sample R - 45 Lost Core - 0 Light and dark grey argillite with pyrite as above. Some alteration blebs throughout core with pyrite.

90 - 100'Sample R - 46 Lost Core - 0 Fine grained, siliceous light grey-grey argillite. Pyrite present; however, not as abundant as previous sections. 98' - Speck of cpy Sample R - 47 100 - 110' Lost Core - 0 Hard argillite as previous section, with minor pyrite. Sample R - 48 110 - 120' Lost Core - 0 Grey argillite as above, pyrite becoming more abundant in fractures, 11/2 - 2%. 116' - ¼" qtz vein pyrite and possible MoS2. Sample R - 49 120 - 130' Lost Core - 0 Light grey - grey, laminated and vary hard argillite as above. 125' - $\frac{1}{2}$ - $\frac{1}{4}$ " qtz vein with pyrite. Sb₂S₃ and pyrite. Sample R - 50 130 - 140' Lost Core - 0 Alternating bands of light and dark grey argillite, rock becoming very fractured and broken. 136' - Recemented fault zone - 6" wide.

140 - 150' Sample R - 51Lost Core - 0 Light grey argillite or mudstone. Rock not as hard, with noteable lack of pyrite. 150 - 160' Sample R - 52 Lost Core - 0 Light grey argillite or mudstone as above, with frequent insipient fractures. Pyrite present in low-med content. 160 - 170' Sample R - 53 Lost Core - 0 Grey to light grey argillite, with some bands of mudstone. Pyrite present. 170 - 180' Sample R - 54 Lost Core - 0 Mainly dark grey siliceous, argillite with minor pyrite. Sample R - 55 180 - 190' Lost Core - 0 Mainly dark grey argillite as above with more abundant pyrite. .190 - 200' Sample R - 56 Lost Core - 0 Argillite as above with minor pvrite. Sample R - 57 200 - 210' Lost Core - 0 Light grey argillite with minor pyrite.

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210 - 220' Sample R - 58 Lost Core - 0 Argillite as above with minor pyrite. 220 - 230' Sample R - 59 Lost Core - 0 Grey argillite as above with only minor pyrite. Sample R ~ 60 230 - 240' Lost Core - 0 Light-dark grey argillite as above, Low content of pyrite. 240 - 250' Sample R - 61 Lost Core - 0 Alternating light and dark grey argillite or siltstone. Many insipient quartzfilled fractures. Only minor pyrite. Sample R - 62 250 - 260' Lost Core - 0 Light grey siltstone, Very fractured and blocky rock with quartz and minor pyrite along fractures. 253 - 259' - Brownish - red tinge to rock. Sample R - 63 260 - 270' Lost Core ½' Light grey siltstone as above, with minor pyrite. 261' - 1'' qtz vein with pyrite, cpy, Sb₂S₂, and possibly sphalerite. 262' - Calcified zone (6") with qtz lenses.

270 - 280' Sample R - 64 Lost Core - 0 Light grey siltstone as above, with small qtz stringers and minor pyrite. 280 - 290' Sample R - 65 Lost Core - 0 Light grey argillite with minor pyrite as above. 285.5'- ¼" qtz vein possible sphalerite. Sample R - 66 290 - 300' Lost Core - 0 Light grey argillite or siltstone as above, with numerous quartz stringers and insipient fractures. Minor pyrite. Sample R - 67 300 - 310' Lost Core - 0 Mainly light grey argillite or siltstone with some bands dark - black argillite. Numerous quartz stringers with some pyrite. 302' - ¼" qtz vein with sphalerite. 310 - 320' Sample R - 68 Lost Core - 0 Light grey argillite, as above, with minor pyrite. 319 - 320' - Sheared and resilicified, slickenslides along sheared faces with thin coating of grey metallic mineral. (Stibnite? or graphite?)

Sample R - 69 320 - 330' Lost Core - 11/2' 320 - 328' - Fine grained, white - light grey quartzite. Shear zone at 319 - 320' marks contact. 325' - 4" qtz vein with pyrite, sphalerite and possibly cpy. 328 - 330' - Argillite as previous section. Sample R - 70 330 - 340' Lost Core - 0 Light grey, with some sections with reddish - brown tinge, fractured and resilicified argillite. Numerous quartz veins with blebs and coatings of pyrite weins-with-blebs and coatings of pyrite. 336' - fracture face with cpy. 338' - 112-2" wide qtz vein with cpy? and galena and pyrite. 340' - ¼" qtz lense with possibly trace MoS₂. Sample R - 71 340 - 350' Lost Core - 0 Light grey argillite as above with innumerable insipient qtz filled fractures, some with pyrite. 345' - ¼" qtz vein with sphalerite. Sample R - 72 350 - 360' Lost Core - 0 Fractured and resilicified argillite as above. 354 - 354.5' - Shear zone with qtz lenses, possibly trace MoS₂.

360 - 370' Sample R - 73 Lost Core - 0 Very broken and blocky light grey argillite, with some fractures filled with calcite. 360 - 361' - Contorted and sheared rock with large pyrite crystals. 370 - 380' Sample R - 74 Lost Core - 0 Light - dark grey argillite; in part quite coarse - grained and may be a greywacke. Many insipient qtz filled fractures with pyrite. Sample R - 75 380 - 390' Lost Core - 0 Argillite as previous section, becoming very fine grained, possibly a siltstone towards end of section. Some talc, or brucite on fracture faces. Pyrite present, however, in low content. Sample R - 76 390 - 400'Lost Core - 0 Fine - grained light grey siltstone or mudstone, very highly fractured. Notable lack of pyrite. 397' - Recemented and calcified shear zone. Sample R - 77 400 - 410' Lost Core - 0 Very blacky siltstone as above, with pyrite along insipient silicified fractures. 400.5 - $\frac{1}{2}$ " qtz vein with MoS₂. 409 - 410 - fault zone with qtz and pyrite.

10. 410 - 420' Sample R - 78 Lost Core - 0 Fractured and blocky siltstone, with quartz veins and pyrite. 410.5' - 2" qtz vein pyrite and possibly Sb_2S_2 414' - 2" qtz vein with massive pyrite 414.5 - 1" qtz vein with massive pyrite 419 - 420' - dark grey argillite or greywacke. 420 - 430' Sample R - 79 Lost Core - 0 Light - dark grey argillite or greywacke with pyrite filled qtz veins and stringers. 430 - 440' Sample R - 80 Lost Core - 0 Interbedded light grey siltstone, and dark grey argillite or greywacke. Qtz veins with blebs of pyrite. 421 - 432' - Black mineral along insipient fracture faces unidentified (possibly graphite?) 440 - 450' Sample R - 81 Lost Core - 0 Dominantly dark-grey silicified argillite. Qtz veins with pyrite quite common. 450 - 460' Sample R - 82 Lost Core - 0 Dark grey argillite as previous section. Pyrite present, however, in low content.

460 - 470' Sample R - 83 Lost Core - 0 Grey argillite as previous section, pyrite in quartz veins and silicified blebs. 465' - Shear zone.

470 - 480' Lost Core - 0 Grey argillite as previous section with pyrite in qtz veins.

480 - 490' Sample R - 85 Lost Core - 0 Grey argillite as above with pyrite along silicified fractures.

490 - 500' Sample R - 86 Lost Core - 0 Grey argillite as previous section with pyrite along fractures. 499 - 500' - Breccia zone.

500'

END OF HOLE.

Submitted By:

ohn R. Kerr, P. Eng.,

December 4th., 1973, KAMLOOPS, B. C.

