

INTER OFFICE MEMO

810603

CYPRUS EXPLORATION CORPORATION LTD.

TO		REPLY
VANCOUVER OFFICE		
RETURN TO		
AUG 5 1971		
1	<i>[initials]</i>	5
2	<i>[initials]</i>	6
3		7
4		8

Date: July 30, 1971

Ref. 1252-CVL

To: C. A. Mark
From: J.B.P. Sawyer
Subject: BIG ONION DRILL LOGS

Enclosed, please find a revised Page 3 of the drill log for Hole C-27 at Big Onion showing additional assays, omitted from the sheet sent down the other day.

Also enclosed is a copy of Bondar-Clegg assay report A21-351.



JBPS/jel

Encls.



BONDAR-CLEGG & COMPANY LTD.

geochemists • assayers • analytical chemists

1500 PEMBERTON AVENUE, NORTH VANCOUVER, B.C.
PHONE: 988-5315

TELEX: 04-54554

CERTIFICATE OF ASSAY

TO Blue Rock Mining Corp. Ltd.
C/O Cyprus Exploration Corp. Ltd.
1101 - 510 W. Hastings St. Vancouver 2, B.C.

Report No: A21-351
Samples Rec'd: July 7, 1971
Results Completed: July 14, 1971
Project: 124
P.O. # 635

I hereby certify that the following are the results of assays made by us upon the herein described Core samples.

MARKED	GOLD		SILVER	Cu	Mo						TOTAL VALUE PER TON (2000 LBS.)
	Ounces per Ton	Value per Ton	Ounces per Ton	Percent	Percent	Percent	Percent	Percent	Percent	Percent	
Core											
C-27											
950-970				0.06	Trace						
990-1010				0.01	Trace						
1030-1050				0.05	Trace						
1070-1090				0.01	Trace						

RECEIVED
JUL 21 1971
REGISTERED

NOTE:
Rejects retained two weeks
Pulps retained three months
unless otherwise arranged.

Gold & Silver values reported on these sheets
have not been adjusted to compensate losses and
gains inherent in fire assay methods.

Gold calculated at \$.....per ounce

Registered Assayer, Province of British Columbia

INTER OFFICE MEMO

CYPRUS EXPLORATION CORPORATION LTD.
VANCOUVER OFFICE

Date: July 27, 1971

To: C. A. Mark
From: J.B.P. Sawyer
Subject: BIG ONION DRILLING RESULTS - 1971

Ref. 1236-CVL

I enclose for your information and files copies of drill logs for D.D.H.'s C-24, C-20, C-17, and C-27 drilled at Big Onion earlier this year. Also enclosed, please find copies of the assay result sheets for samples from these cores.

Later on this year we will integrate the information from this work with the earlier data and evaluate more fully all the results to date from this property.



JBPS/jel

Encls.

TO	REPLY	
	COMMENT	
RETURN TO		
JUL 29 1971		
1	SAWYER	5
2	WOT	6
3		7
4		8

1500 PEMBERTON AVENUE, NORTH VANCOUVER, B.C.

PHONE: 988-5315

TELEX: 04-54554

CERTIFICATE OF ASSAY

TO Blue Rock Mining Corp. Ltd.
1101 - 510 W. Hastings St.
Vancouver 2, B.C.

Report No: A21-306
 Samples Rec'd: June 22, 1971
 Results Completed: June 30, 1971
 P.O. 635

I hereby certify that the following are the results of assays made by us upon the herein described Core samples.

MARKED	GOLD		SILVER	Cu	Mo						TOTAL VALUE PER TON (2000 LBS.)
	Ounces per Ton	Value per Ton	Ounces per Ton	Percent	Percent	Percent	Percent	Percent	Percent		
Core											
C - 17				0.02	0.002						
120-140				0.04	0.002						
160-180				0.08	0.001						
200-220				0.06	0.001						
240-260				0.05	0.001						
280-300				0.02	0.001						
320-340				0.07	0.004						
360-380				0.20	0.007						
400-420				0.20	0.017						
440-460				0.18	0.008						
480-500				0.22	0.016						
520-540				0.11	0.013						
560-580				0.12	0.010						
600-620				0.12	0.015						
640-660				0.24	0.015						
680-700				0.25	0.014						
720-740				0.21	0.022						
760-780				0.32	0.028						
800-820				0.24	0.023						
820-840				0.21	0.029						
840-860				0.16	0.029						
860-880											

RECEIVED
 JUL 2 - 1971
 BONDAR-CLEGG

NOTE:

Rejects retained two weeks
 Pulps retained three months
 unless otherwise arranged.

Gold & Silver values reported on these sheets
 have not been adjusted to compensate losses and
 gains inherent in fire assay methods.

Gold calculated at \$..... per ounce

[Signature]
 Registered Assayer, Province of British Columbia

CERTIFICATE OF ASSAY

I hereby certify that the following are the results of assays made by us upon the herein described Core samples.

MARKED	GOLD		SILVER	Cu	Mo						TOTAL VALUE PER TON (2000 LBS.)
	Ounces per Ton	Value per Ton	Ounces per Ton	Percent	Percent	Percent	Percent	Percent	Percent		
Core											
C-17	880-900			0.14	0.017						
	900-910			0.07	0.002						
	910-920			0.21	0.007						
	920-930			0.27	0.015						
	930-940			0.20	0.015						
	940-950			0.17	0.004						
	950-960			0.50	0.018						
	960-970			0.56	0.009						
	970-980			0.30	0.003						
	980-990			0.21	0.003						
	990-1000			0.21	0.008						
	1020-1040			0.06	0.003						
	1060-1080			Trace	0.001						
	1100-1120			0.02	0.001						
	1140-1160			0.01	0.001						
	1180-1200			Trace	0.001						
	1220-1240			Trace	0.001						
	1250-1257			Trace	0.001						
C-20	37-57			Trace	0.001						
	117-137			0.01	0.001						
	197-217			0.01	0.002						
	277-297			0.01	0.002						
	357-377			0.03	0.001						
	437-457			0.03	0.001						
	517-537			0.01	0.001						
	597-617			0.01	0.001						
	677-697			0.03	0.001						
	757-777			0.04	0.001						


 Registered Assayer, Province of British Columbia

CERTIFICATE OF ASSAY

I hereby certify that the following are the results of assays made by us upon the herein described Core samples.

MARKED	GOLD		SILVER	Cu	Mo						TOTAL VALUE PER TON (2000 LBS.)
	Ounces per Ton	Value per Ton	Ounces per Ton	Percent	Percent	Percent	Percent	Percent	Percent		
C-20											
837-857				0.06	0.002						
900-920				0.08	0.005						
940-960				0.13	0.005						
980-1000				0.05	0.011						
1020-1040				0.05	0.004						
1060-1080				0.01	0.001						
1100-1120				0.04	0.001						
1177-1186				Trace	0.001						

1500 PEMBERTON AVENUE, NORTH VANCOUVER, B.C.
PHONE: 988-5315

TELEX: 04-54554

CERTIFICATE OF ASSAY

TO Blue Rock Mining Corp. Ltd.
1101 - 510 W. Hastings St.
Vancouver 2, B.C.

Report No: A21-328
Samples Rec'd: June 30, 1971
Results Completed: July 8, 1971
P.O. 635 - Big Onion

I hereby certify that the following are the results of assays made by us upon the herein described Core samples.

MARKED	GOLD		SILVER	Cu	Mo	Percent	Percent	Percent	Percent	Percent	TOTAL VALUE PER TON (2000 LBS.)
	Ounces per Ton	Value per Ton	Ounces per Ton	Percent	Percent						
Core											
C 27 59-180				0.03	0.001						
100-120				0.06	0.001						
140-160				0.01	0.001						
180-200				0.01	0.001						
220-240				0.01	0.001						
260-280				0.82	0.002						
300-320				0.02	0.001						
340-360				0.02	0.001						
380-400				0.04	0.001						
420-440				0.05	0.001						
460-480				0.07	0.001						
500-520				0.19	0.001						
520-540				0.15	0.001						
560-580				0.09	0.003						
600-620				0.13	0.002						
640-660				0.20	0.002						
680-700				0.18	0.005						
700-720				0.40	0.010						
720-740				0.35	0.022						
740-760				0.35	0.013						
760-780				0.24	0.004						
780-800				0.04	0.002						
800-820				0.20	0.001						

REGISTERED
JUL 9 - 1971
BONDAR-CLEGG & COMPANY LTD.

NOTE:

Rejects retained two weeks
Pulps retained three months
unless otherwise arranged.

Gold & Silver values reported on these sheets
have not been adjusted to compensate losses and
gains inherent in fire assay methods.

Gold calculated at \$.....per ounce

[Signature]
Registered Assayer, Province of British Columbia

DIAMOND DRILL RECORD

1

		DESCRIPTION	CORE LENGTH			SAMPLE NO.	ASSAYS				ACCUMULATIVE AVERAGES			
FROM	TO		FROM	TO	SEE WIDTH		AU OZ.	AG OZ.	% CU	% Mo	AU W	AG W	% CU W	
372	752	Silicified chilled phase of quartz	400	420	20				0.20	0.007				
		diorite pluton (?), mottled light	440	460	20				0.20	0.017				
		gray with some kaolinization, with	480	500	20				0.18	0.008				
		disseminated pyrite and locally,	520	540	20				0.22	0.016				
		especially near 372' with some chalco-	560	580	20				0.11	0.013				
		pyrite, moly, and possibly chalcocite,	600	620	20				0.12	0.010				
		vugular locally with limonite in vugs,	640	660	20				0.12	0.015				
		with possible faults at 494' & 540',	680	700	20				0.24	0.015				
		moderately to highly fractured	720	740	20				0.25	0.014				
752	982	Same but with relatively little	760	780	20				0.21	0.022				
		fracturing, with gypsum and moly on	800	820	20				0.32	0.028				
		planar fractures, with disseminated	820	840	20				0.24	0.023				
		pyrite and sparse chalcopyrite, moly	840	860	20				0.21	0.029				
		and magnetite increasing toward bottom	860	880	20				0.16	0.029				
	982	Fault with 6" cream coloured mylonite	880	900	20				0.14	0.017				
			900	910	10				0.07	0.002				
			910	920	10				0.21	0.007				
			920	930	10				0.27	0.015				
			930	940	10				0.20	0.015				
			940	950	10				0.17	0.004				
			950	960	10				0.50	0.018				
			960	970	10				0.56	0.009				
			970	980	10				0.30	0.003				
			980	990	10				0.21	0.003				

COLLAR

North 13+20W
 East 0+80W
 Elevation 3,430'
 Azimuth N85° E
 Dip -50
 Logged By Gregg Jilson

BLUE ROCK MINING CORPORATION LTD.
 Drilled by: D.W. Coates Enterprises
 Recovery: Essentially 100%

BIG ONION PROJECT

Hole No. C-20
 Commenced June 3, 1971
 Finished June 9, 1971
 Purpose Of Hole To test resistivity low east of dyke

DETAIL LOG
DIAMOND DRILL RECORD

		DESCRIPTION	CORE LENGTH				ASSAYS				ACCUMULATIVE AVERAGES			
FROM	TO		FROM	TO	ACC WIDTH	SAMPLE NO.	AU OZ.	AG OZ.	% CU	% Mo	AU W	AG W	CU W	
0	36	Overburden												
36	313	Silicified Andesite - white translucent. Rectangular to irregularly shaped - dull white areas may be in part relief phenocrysts (kaolinized) and/or kaolin filled vugs after sulphides - Top 10' is only moderately oxidized - moderately fractured to 68' then lightly fractured.	37	57	20				TR	0.001				
		5-10% pyrite (mostly about 5% +) Pyrite occurs as anhedral disseminations. Only subordinate pyrite along fractures. A few pyrite veinlets about 1" thick. Minor calcite veinlets.	117	137	20				0.01	0.001				
		A few relief quartz phenocrysts as well as vague feldspars noted above (Locally, for example, at 68' & 100', might be able to make case for kaolinization followed by silicification as an explanation for irregular kaolin patches.) Even later generation of quartz veinlets that tend to have anhedral pyrite associated with the kaolin - probably along congregate fracture set	197	217	20				0.01	0.002				
			277	297	20				0.01	0.002				

DIAMOND DRILL RECORD

FROM		TO	DESCRIPTION	CORE LENGTH			ASSAYS				ACCUMULATIVE AVERAGES			
				FROM	TO	ROCK WIDTH	SAMPLE NO.	AU OZ.	AG OZ.	% CU	% Mo	AU W	AG W	% CU W
488	553		Variably altered volcanics - mostly andesite with calcite ⁺ epidote ⁺ pyrite veins in diverse directions, variably magnetic, darkest pieces quite strongly magnetic - few % pyrite moderately fractured & sheared for 30' above dyke	517	537	20			0.01	0.001				
553	663.5		Dyke - quartz monzonite according to T.G.S. reports (chloritized hornblende 25%) (feldspar possibly ??? 75% 30% K-feldspar 70% plagioclase) (quartz - very minor - practically none) Porphyritic - plagioclase phenocrysts in medium grade matrix Chilled margin about 4' thick Interior of dyke much fresher, mafics about 25% half biotite, half chlorite (after hornblende?), feldspar 75% K-feldspar/plagioclase abt. 1/4, still little if any quartz, K-feldspar is slightly pink & tends to occur surrounding euhedral plagioclase, abt. 1% pyrite strongly magnetic - still has slight porphyry texture A few calcite veinlets & minor epidote	597	617	20			0.01	0.001				

DIAMOND DRILL RECORD

1

FROM		TO	DESCRIPTION	CORE LENGTH			ASSAYS				ACCUMULATIVE AVERAGES				
				FROM	TO	ASG WIDTH	SAMPLE NO.	AU OZ.	AG OZ.	% CU	% Mo	AU W	AG W	% CU W	
			veinlets - also thin planar zones where felds are altered to epidote & kaolin. Broken & kaolinized 615'-617' & 623'-625' starts becoming noticeably finer grained at 643' grading to rock at 663.5' contact												
663.5			Altered volcanics												
663.5	675		Off-white siliceous, strongly broken up and recemented with calcite (quartz?) - matrix coarser grained than glassy fragments - minor pyrite												
675	688		Altered andesite - abundant calcite veins & epidote veinlets & blebs, about 5% pyrite	677	697	20			0.03	0.001					
688	700		Siliceous rock as above, 5% pyrite 694' - 1" thick dikelet												
700	781		Altered andesite as above - abt. 10% pyrite decreasing to abt. 5% in broken zone - much calcite - becomes broken at 712' - broken till 742' - below 742' little altered - heavy calcite veining abt. 5% pyrite - darker rocks moderate- ly magnetic mostly, only slightly magnetic. Below abt. 750' pyrite contact down to abt. 2-3% and pyrite	757	777	20			0.04	0.001					

DIAMOND DRILL RECORD

FROM		TO	DESCRIPTION	CORE LENGTH				ASSAYS				ACCUMULATIVE AVERAGES					
				FROM	TO	XAG WIDTH	SAMPLE NO.	AU OZ.	AG OZ.	% CU	% Mo	AU W	AG W	CU W			
			tends to be concentrated in veins rather than disseminated														
781			Beginning of complex altered & sheared zone with 5-10% pyrite and sparse chalcopyrite!! - this zone continues to about 800'														
			At 800' is altered andesite porphyry showing stockwork like silicification (as in the silicified andesite near 100')														
			about 2-5% pyrite - calcite veins - near 845' the rock between altered zones is dull white and fine grained - may be previously altered andesite or a more siliceous tuff (probably the latter) - abt. 5-7% pyrite (locally more abundant) Color varies from light green to off-white	837	857	20			0.06	0.002							
			By about 900' the silicification is much less intense - the altered zones carry pyrite but the rock between them is relatively free of sulphide	900	920	20			0.08	0.005							
			Gougy sheared zone at 942', silicification seems more intense below this zone - the alteration decreases by abt. 970' and pyrite is down to 2-3%	940	960	20			0.13	0.005							

DIAMOND DRILL RECORD

4

FROM	TO	DESCRIPTION	CORE LENGTH				ASSAYS				ACCUMULATIVE AVERAGES			
			FROM	TO	APPROX WIDTH	SAMPLE NO.	AU OZ.	AG OZ.	% CU	% MO	AU W	AG W	% CU W	
	993	Transition into unusual green/pink/white mottled rock with similar but fewer altered zones. Textures are vaguely reminiscent of medium grained sub-porphyrific igneous rock - this could be an altered equivalent of the monzonite porphyry - the pink patches are interstitial to white to greenish patches with strong suggestion of feldspar shape - (some even appear zoned) - this is the same textural relation between K-feldspar & plagioclase in the monzonite mafics seem to be gone - trace chalcopyrite!!	980	1000	20			0.05	0.011					
		This rock goes on to abt. 1,030' where there is a transition into greenish altered andesite with darker magnetic stretches - calcite veinlets common - 5-10% pyrite with trace chalcopyrite as blebs & veinlets - a few silicified zones and minor epidote. Below abt. 1,050' rock is very uniform, greenish slightly glassy - minor calcite veinlets and more epidote but still very minor - abt. 2-3% pyrite (locally more with trace of chalcopyrite	1020	1040	20			0.05	0.004					
			1060	1080	20			0.01	0.001					

COLLAR

Drilled by: D.W. Coates Enterprises

HOLE SURVEY

BIG ONION PROJECT

North 71+60N
 East 4+00W
 Elevation 5,085'
 Azimuth N80° E
 Dip -70°
 Logged By C.C. McFall

Recovery: Essentially 100%

Depth	Dip	Direction
0	-70°	N80°E
500	-69°	N69°E
1000	-72°	S74°E

Hole No. C-27
 Commenced June 20, 1971
 Finished June 27, 1971
 Purpose Of Hole 1
 Total Depth: 1,088'

DIAMOND DRILL RECORD

FROM		TO	DESCRIPTION	CORE LENGTH			ASSAYS				ACCUMULATIVE AVERAGES			
FROM	TO	FROM		TO	AXX WIDTH	SAMPLE NO.	AU OZ.	AG OZ.	% CU	% Mo	AU W	AG W	CU W	
0	59		Overburden											
59	119		Andesite, highly altered, off-white to pale greenish gray, vugular, highly fractured, locally with abundant pyrite with limonite stained voids and fractures with possible fault at 72', locally with minor chalcocite (?) coating pyrite, with considerable kaolinitization, grading into	59	80	21				0.03	0.001			
119	139		Andesite, greenish gray, moderately fractured, otherwise as above, grading into	100	120	20				0.06	0.001			
139	265		Silicified andesite, pale gray to glassy, vugular, with disseminated pyrite, little to moderately fractured, with some longitudinal shearing in core near 200'	140	160	20				0.01	0.001			
				180	200	20				0.01	0.001			
				220	240	20				0.01	0.001			
				260	280	20				0.82	0.002			
265	272		Pyrite with some magnetite and minor chalcopyrite											
272	410		Silicified andesite as above, but with some magnetite in vugs, possible fault at 408'	300	320	20				0.02	0.001			
				340	360	20				0.02	0.001			
				380	400	20				0.04	0.001			

DIAMOND DRILL RECORD

4

		DESCRIPTION	CORE LENGTH				ASSAYS				ACCUMULATIVE AVERAGES			
FROM	TO		FROM	TO	ROD WIDTH	SAMPLE NO.	AU OZ.	AG OZ.	% CU	% Mo	AU W	AG W	% CU W	
410	487	Andesite, light greenish gray, slightly silicified, vugular, with disseminated pyrite locally quite abundant, little to highly fractured 433½-436 altered and soft.	420	440	20				0.05	0.001				
			460	480	20				0.07	0.001				
487	545	Chilled phase of quartz diorite pluton (?), greenish gray, fine to medium grained, with much disseminated pyrite and locally much magnetite, with sparse disseminated chalcopryite, grades into	500	520	20				0.19	0.001				
			520	540	20				0.15	0.001				
545	777	Silicified chilled phase, very light gray, vugular, moderately fractured with disseminated pyrite and sparse chalcopryite and magnetite, locally with some kaolinization and shearing, below 587' highly fractured to crumbly and locally only slightly silicified, with increasing chalco- pyrite (0.1-0.2 Cu) and rare traces of molybdenite especially at 728-743, becoming less fractured and harder below 700' but quite vugular and with more finely disseminated chalcopryite (0.2 to 0.3 Cu)	560	580	20				0.09	0.003				
			600	620	20				0.13	0.002				
			640	660	20				0.20	0.002				
			680	700	20				0.18	0.005				
			700	720	20				0.40	0.010				
			720	740	20				0.35	0.022				
			740	760	20				0.35	0.013				
			760	780	20				0.24	0.004				

