

April 7, 1969

REPORT ON GIBRALTAR MINES PROPERTYINTRODUCTION:

The following report is based on a visit made to the property by the writer on April 5 and 6, 1969 in company with Dr. R. H. Seraphim. On April 5 Dr. W. Patmore was also at the property. Mr. Allan Morris, resident geologist in charge of the project, showed us around the property and made available for inspection the few maps which he had in his possession.

In general there was very little information in the form of maps etc. available at the property. Most of the material appears to be either in Vancouver or else out on loan to various people who have visited the property. We were not able to see a geological map of the property, assay data available for inspection was not complete, and in general most of the information that has been compiled at various times by different people was not available for inspection. A Cominco I. P. survey map covering the Coast Silver and adjacent area was available. Dr. Seraphim has a copy of this.

The afternoon of April 5 was spent on the property examining the drill core and taking a general look at part of the area. Outcrops in Copper Creek near the old adit were examined and a walk was made from there to the area of drill hole, G69-1 and G69-4 etc. Only one outcrop was noticed during this traverse.

The area is one of moderate relief fairly extensively covered with overburden resulting in there being very little outcrop. Access to the property is by fairly good gravel road from McLeese Lake. The area has been logged over. Overburden varies from zero to 60 or 70 feet or more. As mentioned earlier, outcrop in this area is very sparse.

The Gibraltar Mines property is made up of something of the order of 200 claims which includes 8 claims, Summit 1-8, held under option from Coast Silver Mines Ltd. An accurate map of the claims was not available at the property but I understand that such a map is available in the Vancouver office of Gibraltar Mines Ltd. The property adjoins to the south of claims held by Canadian Exploration Ltd. and Duval Sulphur.

GEOLOGY:

The property area is covered by G. S. C. map 12-1959 Quesnel. It is shown as being underlain by mesozoic intrusive rocks; granodiorite, granite, gneissic granite, quartz diorite, and diorite.

On the Gibraltar Mines property the rock is termed as quartz-

diorite. Overall it appears to be fairly uniform with local compositional variations, for example increase in silica, or increase in epidote, or increase in chlorite etc. From examinations of drill cores it is apparent that some sections have been affected by secondary introduction of silica. Frequently these more siliceous sections appear to be of better grade in terms of copper mineralization.

In part the intrusive exhibits a fairly well defined foliation giving the rock a rudely gneissose appearance. The attitude of the foliation is not obvious but at the old adit it appears to strike about 110 degrees to 115 degrees and to dip south at about 30 degrees. Although they speak of this area of mineralization as being structurally controlled the Gibraltar personnel are unable to identify any major fault or shear directions as being of major significance in relation to mineralization. In fact one of the characteristics of the area as known to date is the lack of any definite trends of mineralization. Any future work on the property should have as a first aim the establishment, if possible, of such trends.

#### MINERALIZATION:

Sulphide mineralization is wide-spread within the quartz-diorite intrusive. Sulphide minerals recognized are chalcopyrite, pyrite, chalcocite and bornite. Chalcocite appears to be quite common in some of the drill core and has been recognized at considerable depths,--as much as 700 or 800 feet, and it would appear, at least in part, to be primary. Bornite is much less common but can be recognized in some drill holes. Pyrite is fairly common. The outcrop at the old adit carries heavy pyrite at surface and it is weathering of this material which is responsible for the extremely rusty appearance of the outcrops at that point. However, Patmore advises that there is good copper mineralization in the old adit.

Three zones of mineralization have been established so far. These are

1. The Coast Silver Zone lying in the northwest part of the property.
2. The West Zone lying to the southeast of the Coast Silver Zone.
3. The Northeast Zone.

At this time Dr. Patmore appeared to be most excited about the potential of the Northeast Zone on which drill holes 69-1 through 69-4 have been drilled.

Drill core from holes 69-4 and 69-3 was examined quite carefully, and some sections of 69-1 were also looked at. Dr. Seraphim was returning to the property to carry out more detailed examination of other core also.

Hole 69-4. The rock throughout this hole appears to exhibit a very distinct foliation so that it has a gneissose appearance. Chalcopyrite with minor bornite and some chalcocite mineralization occurs throughout the entire core length. No assays are yet

available on this. Morris estimates that it will run close to 1% copper. The hole had been completed to approximately 700 feet at the time of my visit. At this depth the rock was still mineralized. It seems likely that this hole will run at least .5% copper overall and may possibly go higher than this.

Hole 69-3. The upper parts of this hole were also in fairly well foliated material, however, the mineralization seemed to be less intense. The lower parts of this hole are more siliceous, less well foliated, and probably run higher in copper content than the upper parts of the hole. Overall this hole may be .4% copper.

An increase in sericite and a decrease in epidote appear to accompany the silification. Felspars are quite highly kaolinized in these more altered sections. Parts of the rock are also quite talcose.

Core from Cominco drill hole C-36 which lies south of the creek and about 2,000 feet southeast of the present drilling was also examined. None of this core has been split or assayed. The rock is mineralized and carries some chalcocite in addition to chalcopyrite,--thus some sections of the hole would undoubtedly run in copper. This hole is fairly isolated in location, thus it does effectively extend the area in which copper mineralization within the intrusive is known to occur, by a considerable distance.

On April 6 about three hours was spent in studying the maps and plans and assays at McLeese Lake. R. H. Seraphim has copies of the assays for G69-1 and G69-2 as well as for holes 68-5, 68-6, 68-7 and others. Hole 68-5 is in general, in pretty low grade material, probably less than .25% copper. Hole 68-7 is a churn drill hole in which the recovery was extremely poor thus the assay values quoted for this hole may not be truly representative. Hole 68-6 also was in fairly low grade material.

Detailed assays for the B holes drilled by Cominco lying south of the creek and due south of the present zone of drilling were not available. The figures quoted along side these holes on the Gibraltar Mines drill plan are probably representative. There does appear to be a section at the bottom of hole B-2 which would run better than .4% copper. Detailed assays and plans of these holes should be studied. On the west zone grade and tonnage estimates have been made by Cominco but according to Allan Morris these are only to a depth of approximately 100 feet.

Between the west zone and the northeast zone, that is in a northeasterly direction, information is very sparse. Only four drill holes have been put down, Nos. B-11 in which there was an intersection about the middle of the hole running about .55% Cu., C-34, C-31 and C-30. This leaves a considerable area which may be mineralized between the two zones which has yet to be evaluated. I understand that core from holes C-30 and C-31 are presently out for assay and results should be available shortly.



### PREVIOUS WORK:

Mineralization has been known in this area for several years and the Polyanna showing on the Duval/Canex ground was first investigated at least 15 years ago. Work on the Gibraltar ground over the past 6 or 7 years has been done by Gibraltar Mines, Morrocco Mines, Cominco and Japanese interests.

The Cominco and Japanese interests dropped out of the picture approximately two years ago after carrying out geological, geochemical, geophysical, and diamond drilling work. The Cominco geological map was not available at the property for inspection. R. H. Seraphim will attempt to get some or all of this information in Vancouver. Cominco carried out geochemical work consisting of blanket soil sampling over the whole property. Although they did apparently outline two zones, generally northwesterly trending, of higher copper content, this work was in general not useful. I suspect this is due to a) the uniform and fairly heavy overburden, and b) the widespread nature of the mineralization, which might tend to make an overall high background with little or no contrast.

A McPhar type I. P. survey was also done by Cominco. A map of the results of this work covering the Coast Silver option and adjacent areas was examined, and R. H. Seraphim has a copy of this. In general the picture from this work was not particularly definitive and it failed to illustrate any very strong trends. The metal factor contours seem to be building up to their highest level at the northwestern edge of the survey area, and these, if significant, would indicate a favorable zone on the Morrocco Mines ground.

I. P. maps of the work done over the northeast zone and adjacent Canex/Duval ground were not available for inspection. Dr. Patmore reports that the surveys on the Duval/Canex ground and those on the Gibraltar ground when put together depict an elliptical shaped zone, of anomalous readings, however, the high I. P. responses are apparently due to pyrite rather than to copper mineralization. The best copper mineralization appears to be occurring on the flanks of the I. P. anomalies. Based largely on the I. P. patterns Allan Morris has come up with some thoughts on a major structural feature which may be either a very sharp flexure or else an off-setting due to faulting between the West Zone and the Northeast Zone. Without actually seeing the map it is hard to appreciate the significance of this in full, or to describe it properly. Careful study of all I. P. work including that on the Duval/Canex ground is very desirable and of considerable importance in trying to establish trends or possible structures in this area.

Only a limited amount of ground magnetics have been done, by Cominco. Although in general the rock is not particularly magnetic local lenses or segregations of magnetite have been picked up in the drilling. R. H. Seraphim has suggested that a careful ground magnetometer survey may prove useful in differentiating between the more foliated epidote-chlorite rich sections of the intrusive and the more siliceous highly altered sections. If this is so such a survey would be extremely useful in interpreting trends and possible structures in this area.



A considerable amount of work has been done on the Duval/Canex ground and Patmore suggests that the mineralization on these claims is continuous with that on the Gibraltar ground. The Polyanna showing further to the northeast is estimated by Patmore to contain perhaps 20 million tons grading .4% copper. Patmore gives these as being figures obtained from Duval.

#### CONCLUSIONS:

1. Chalcopyrite, chalcocite, bornite, pyrite, mineralization has widespread occurrence within a "quartz-diorite" intrusive. This mineralization is persistent at depth, at least to about 1,000 feet.
2. From figures given by Gibraltar Mines it appears that at this time the following tonnages and grades have been established:
  - a) At least 5 million tons grading about .65% copper on the West Zone and Coast Silver Zones.
  - b) About 16 million tons of .5% copper on the West Zone. Patmore says Cominco estimated 14 million tons and later drilling has added at least another 2 million tons.
  - c) On the Northeast Zone the four holes drilled so far would account for considerable tonnages possibly of the order of 80 or 90 million tons. Since assays on these are not complete yet it is difficult to estimate grade but it would appear that an overall grade approaching 0.5% copper at least is likely.
3. Although a great deal of work has been done on this property, there has been no good compilation of all the data. Assaying has been erratic and incomplete and not all of the assay data which is available has been compiled, thus there are considerable gaps in our information on this property.
4. Spatially there are gaps between the areas that have been investigated by diamond drilling and since the property is largely covered with overburden, there being little or no outcrop, it must be considered that there is still a large area of potential copper mineralization to be looked at.
5. Consequently, the overall tonnage potential for this property looks extremely good.
6. The fairly widespread occurrence of chalcocite mineralization which has been shown to be persistent to considerable depths is an important factor.
7. In addition to the copper mineralization, molybdenum and silver credits also occur. Assay data on molybdenum is far from complete, however, some sections, for example in hole 68-5 suggest very significant molybdenum values. It is not known at present how the silver occurs. No silver minerals apparently have been identified but Patmore reports up to 0.25 ounces of silver in several sections.

8. The area is easily accessible and would be amenable to open pit type operation.

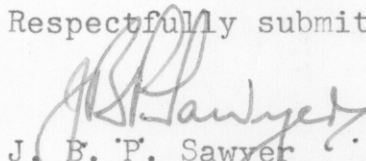
9. Any development by open pit methods here would require that the Canex/Duval ground be included. Although Gibraltar at this time apparently are unable or unwilling to reach an agreement with the Canex/Duval interests largely because the latter refuse to put their claims into any deal, it seems likely that a Company such as Cyprus would be able to enter into satisfactory arrangements to exploit this mineralization jointly.

10. A great deal of work remains to be done on this property before it can be properly evaluated. As a first step all available data should be correlated, complete assaying and or reassaying should be carried out, and some ground magnetometer work should be done.

11. Proper evaluation of this prospect will require considerable expenditures, probably at least the \$300,000 being asked as a first commitment by the Gibraltar Mines people.

12. Based on the limited information available so far and the limited observations which I could make in the short time spent there this property is of considerable interest and I think must be considered to have good potential as a low grade open pit type copper prospect, thus it merits very careful consideration. I feel that at this time it probably does represent a viable exploration project within the guidelines laid down by Cyprus Exploration Corporation, Ltd.

Respectfully submitted,



J. B. P. Sawyer  
Regional Manager-Western Canada



## INTER OFFICE MEMO

### CYPRUS EXPLORATION CORPORATION LTD.

#### VANCOUVER OFFICE

Date: April 22, 1969

To: Mr. C. A. Mark  
From: Mr. D. W. Tully  
Subject: GIBRALTAR MINES LTD.

I had lunch today with Dr. Wm. Patmore concerning the subject property. I presented him with a copy of the original Dynasty deal which had our dates and monetary amounts blocked out. I went over this with Dr. Patmore, and he did not appear to be interested as far as a deal with Gibraltar is concerned.

Patmore reiterated that we could get a 45% interest in the Gibraltar company plus full management control at production. This would involve the purchase of 100,000 shares now at \$400,000. Originally the figure was 100,000 shares for \$300,000. The price of the stock is now \$2.60. Cyprus Mines Corporation could take up all the options on the remainder of the treasury and at the end of final feasibility would have earned 35% of the company. This might possibly amount to between 2-1/2 and 3 million dollars' worth of work on the property. In order to gain the 45% interest mentioned above, funds would be advanced by Cyprus Mines Corporation to put the property into production. In order to gain above 45% interest in Gibraltar Mines, Cyprus Mines Corporation would need to buy whatever they considered necessary to gain control in the open market. This does not seem to be a very good deal for Cyprus because they would have to make a deal in all likelihood with Canex-Duval after consummating a deal with Gibraltar first.

Canex-Duval are reported to have offered Gibraltar the following deal:-

At the end of feasibility studies, Canex-Duval will gain 41% of Gibraltar Mines Ltd. by expending somewhere between 2-1/2 and 3 million dollars' worth of work developing the property. In order to meet this 41% control of the Company, it is agreed by Gibraltar to increase the capitalization to suit this requirement. Should production be decided upon, 51% control then can be had by Canex by putting up all the money necessary for this purpose. Gibraltar agrees to increase the capitalization to suit 51% control for Canex. Canex reportedly will not be allowed to re-arrange the capitalization of Gibraltar, but may have a deal to buy out Duval. This means the only way Canex can increase their interest beyond 51% is to buy at market. The reason Canex-Duval get 41% at the end of feasibility and a 51% at the commencement of production is that they are being asked by Gibraltar to put their



adjoining Polyanna property into the deal.

It is understood that Goldfields Corporation, Cerro Corporation and Union Miniere de Haute Katanga (Umex) are interested in Gibraltar at the present time. It is also understood that Amax is considering an option on the nearby Morrocco Mines property. Cerro could be a leading contender.

Patmore claims that Canex are planning to diamond drill near the common boundary next to the Gibraltar ore zone beginning in the very near future.

Mr. Scholes is at the Canadian Institute of Mining Convention in Montreal this week and is expected back in Vancouver this weekend. I will try to arrange to see the Canex-Duval diamond drill data next Monday, April 28th if this can be arranged.

Donald W. Zully

DWT/jel

## INTER OFFICE MEMO

### CYPRUS EXPLORATION CORPORATION LTD. VANCOUVER OFFICE

Date: April 14, 1969

To: Mr. D. W. Tully

From: Mr. J.B.P. Sawyer

Subject: GIBRALTAR CLAIMS

*GIBRALTAR MINES LTD*

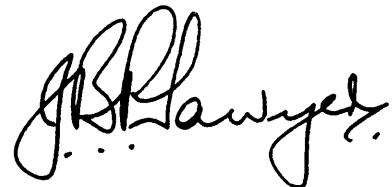
The attached list gives the data obtained by M. Waskett-Myers from the Department of Mines today. The Vancouver office of the Department obtained this information especially for us from Victoria. I have not, therefore, called Victoria to duplicate this.

The fact that most of the claims are recorded under the name of Estey Agencies probably explains why there is no card for Gibraltar Mines in the recording office files. Victoria also have no card for Gibraltar Mines.

Some data is lacking for the following claims for which apparently there are no cards in the Department files:-

- a. Pan 1 to Pan 5, Record Nos. 25791-95 incl. which were recorded in May. We have no exact date.
- b. Pan 7 to Pan 12, Record Nos. 35738-744 incl. Similarly we have no exact expiry date for these claims which have an April recording date.
- c. Pine Tree No 3, Record No. 43088. We have no expiry date for this claim either.

The relationship between Gibraltar Mines and Estey Agencies is not apparent from the Department of Mines records, and I imagine can only be clarified by either Gibraltar officers or those of Estey Agencies.



JBPS/jel

Attachment

RIBOO MINING DIVISION

HILTON AGREEMENT CLAIMS

<u>CLAIM NO.</u>	<u>RECORD NO.</u>	<u>OWNERSHIP</u>	<u>EXPIRY DATE</u>
Pan #1	25791	Estey	May 4/1970
" 2	25792	"	" " "
" 3	25793	"	" " "
" 4	25794	"	" " "
" 5	25795	"	" " "
Zephyr #1	25574	Estey	January 9/70
" 2	25575	"	" "
" 3	25576	"	" "
" 4	25577	"	" "
" 5	25578	"	" "
" 6	25579	"	" "
" 7	255710	"	" "
" 8	255711	"	" "
" 9	255712	"	" "
" 10	255713	"	" "
" 11	255714	"	" "
" 12	255715	"	" "
" 13	255716	"	" "
" 14	255717	"	" "
" 15	255718	"	" "
" 16	255719	"	" "
Aries #1	20004	Estey	July 23/70
" 2	20005	"	" "

COAST SILVER AGREEMENT (30 April, 1960--\$50,000)

<u>CLAIM NO.</u>	<u>RECORD NO.</u>	<u>OWNERSHIP</u>	<u>EXPIRY DATE</u>
Jan #1	27405	Coast Silver	April 10/69 72
" 3	27406	" "	" "
" 4	27407	" "	" "
" 5	27408	" "	" "
" 6	27409	" "	" "
Summit #1	28502	Coast Silver	July 20/69
" 2	28503	" "	" "
" 3	28504	" "	" "
" 4	28505	" "	" "
" 5	28506	" "	" "
" 6	28507	" "	" "
" 7	28508	" "	" "
" 8	28509	" "	" "
Summit #1 FR	42378 (C)	" "	



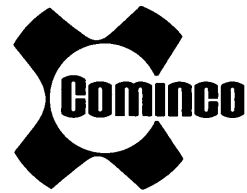
CLAIM NO.	RECORD NO.	OWNERSHIP	EXPIRY DATE
Pan #7	35738	Estey	<del>April</del> Feb. 1/70
" 8	35739	"	" " "
" 9	357340	"	" " "
" 11	357343	"	" " "
" 12	357344	"	" " "
Zephyr FR #3	34972	Estey	March 3/70
" " 4	34973	"	" "
" " 5	34974	"	" "
Z1 "	31861	"	January 26/70
Z2 "	34969	"	March 3/70
A1 #1	28447	"	July 2/70
" 2	28448	"	" "
" 3	28449	"	" "
" 4	28450	"	" "
" 5	28451	"	" "
" 6	28452	"	" "
" 7	28453	"	" "
" 8	28454	"	" "
" 9	28455	"	" "
" 10	28456	"	" "
" 11	28457	"	" "
" 12	28458	"	" "
" 13	28459	"	" "
" 14	28560	"	" "
" 15	28561	"	" "
" 16	28562	"	" "
" 17	28563	"	" "
" 18	28564	"	" "
" 19	28565	"	" "
" 20	28566	"	" "
" 21 FR	28567	"	" "
" 22 "	28568	"	" "
" 23 "	34970	"	March 3/70
" 24 "	34971	"	" "
IT #1	32619	Estey	February 19/70
" 2	32620	"	" "
" 4	32622	"	" "
" 5	32623	"	" "
" 6	32624	"	" "
" 8	32526	"	February 14/70
" 9	32527	"	" "
" 10	32528	"	" "
" 11	32529	"	" "
" 12	32530	"	" "
" 13	32531	"	" "

<u>CLAIM NO.</u>	<u>RECORD NO.</u>	<u>OWNERSHIP</u>	<u>EXPIRY DATE</u>
EV #1	31054	Estey	October 19/70
" 2	31055	"	" "
" 3	31056	"	" "
" 4	31057	"	" "
" 5	31058	"	" "
" 6	31059	"	" "
" 7	31060	"	" "
" 8	31061	"	" "
" 9	31062	"	" "
" 10	31063	"	" "
" 11	31064	"	" "
" 12	31065	"	" "
" 13	31066	"	" "
" 14	31067	"	" "
EV #15	31739	"	January 17/70
" 16	31740	"	" "
" 17	31741	"	" "
" 18	31742	"	" "
" 19	31743	"	" "
" 20	31744	"	" "
" 21	36364	"	June 14/70
" 22	36365	"	" "
BUD #1	32100	Estey	January 17/70
" 2	32101	"	" "
" 3	32102	"	" "
" 4	32103	"	" "
" 5	32104	"	" "
" 6	32105	"	" "
" 7	36362	"	June 14/70
" 8	32363	"	" "
DOT #1 FR	34975	Estey	March 3/70
" 2 "	34976	"	" "
Dot #1	34977	Estey	March 3/70
" 2	34978	"	" "
" 3	34979	"	" "
" 4	34980	"	" "
" 5	34981	"	" "
VE #1	34947	Estey	February 14/70
" 2	34948	"	" "
" 3	34949	"	" "
" 4	34950	"	" "
" 5	34951	"	" "
" 6	34952	"	" "
" 7	34953	"	" "
" 8	34954	"	" "
" 9	34955	"	" "
" 10	34956	"	" "
VE 12	34958	"	" "
VE 14	34960	"	" "

<u>CLAIM NO.</u>	<u>RECORD NO.</u>	<u>OWNERSHIP</u>	<u>EXPIRY DATE</u>
VE #15	34961	Estey	February 14/70
" 16	34962	"	" "
" 17	34963	"	" "
" 18	34964	"	" "
" 19	34965	"	" "
" 20	34966	"	" "
" 21	34967	"	" "
" 22	34968	"	" "
Lynne #1 FR	36697	Estey	July 13/70
" 2 "	36698	"	" "
" 3 --	36699	"	July 13/70
" 6 "	36702	"	" "
VAL #1	33849	Estey	March 18/70
" 2	33850	"	" "
" 3	33851	"	" "
" 4	33852	"	" "
" 5	33853	"	" "
" 6	33854	"	" "
" 7	33855	"	" "
" 8	33856	"	" "
" 9	33857	"	" "
" 10	33858	"	" "
" 11	33859	"	" "
" 12	33860	"	" "
" 14	33862	"	" "
" 16	33864	"	" "
" 19	33867	"	" "
" 20	33868	"	" "
" 21	33869	"	" "
" 22	33870	"	" "
" 23	33871	"	" "
" 24	33872	"	" "
" 25	33873	"	March 18/69 - forfeited
" 26	33874	"	March 18/70
" 27	33875	"	March 18/69 - forfeited
" 35	33883	"	" "
" 37	33885	"	" "
" 39	33887	"	" "
" 41	33889	"	" "
" 43	33891	"	" "
" 45	33893	"	" "
" 47	33895	"	" "
" 49	33897	"	" "



<u>CLAIM NO.</u>	<u>RECORD NO.</u>	<u>OWNERSHIP</u>	<u>EXPIRY DATE</u>
BAY #1	42310	Estey	April 4/70
" 2	42311	"	" "
" 3	42312	"	" "
FLO #1 FR	43172	"	August 3/70
" 2 FR	43173	"	" "
" 3 FR	43289	"	August 29/70
" 4 FR	43290	"	" "
Pine Tree #1	43029	"	July 4/70
" " 2	43030	"	" "
" " 3	43088—	"	<b>SEPT 6/71</b>
" " 4	43489	"	September 6/70
" " 5	43490	"	" "
" " 6	43491	"	" "



Gibraltar Mines Ltd.,  
c/o Mr. D. Bowes,  
845 West Pender Street,  
Vancouver, B. C.

July 28, 1966

Dear Sirs:

Enclosed are our sample record sheets showing the assay results on drill holes C-24, C-25, C-26, and C-27. The location and dip of the holes are shown on the respective sample record.

Assay results have not yet been received from drill holes C-28 to C 30 inclusive.

Yours very truly,

E. H. Caldwell,  
Superintendent,  
Exploration

EHC/nc  
encl.

C O M I N C O L T D.

WESTERN DISTRICT

EXPLORATION OFFICE

GIBRALTAR PROPERTY  
DRILL SAMPLING

HOLE C-24

Location: 14+00W, 10+00S  
Dip: -90°  
Elevation: 2,595'  
Length: 370.5'

<u>Footage</u>		<u>Length</u>	<u>% Cu</u>
<u>From</u>	<u>To</u>		
193.5'	198.5'	5.0'	<.05
198.5'	203.0'	4.5'	.25
203.0'	206.0'	3.0'	<.05
291.5'	296.0'	4.5'	.05
296.0'	300.0'	4.0'	.10
300.0'	308.0'	8.0'	.10
308.0'	318.0'	10.0'	1.0
318.0'	320.0'	2.0'	.15
320.0'	326.0'	6.0'	<.05
326.0'	328.5'	2.5'	.20
328.5'	333.5'	7.0'	.05

To be deepened when "A" equipment available

DWH:sa  
Trail Expl'n Office, Western District  
July 26, 1966  

---

Copies (3)



COMINCO LTD.

WESTERN DISTRICT

EXPLORATION OFFICE

GIBRALTAR PROPERTY  
DRILL SAMPLING

HOLE C-25

Location: 10+00W, 10+00S  
Dip: -90°  
Elevation: 2,602'  
Length: 627'

Footage

<u>From</u>	<u>To</u>	<u>Length</u>	<u>% Cu</u>		
392.5'	397.5'	5.0'	<.05		
397.5'	405.5'	7.5'	.05		
405.0'	412.0'	7.0'	<.05		
412.0'	418.0'	6.0'	.65	}	.95
418.0'	424.5'	6.5'	1.60		
424.5'	430.5'	6.0'	.70		
430.5'	433.5'	3.0'	.20		
433.5'	435.5'	2.0'	1.60	}	23.5
435.5'	440.0'	4.5'	.05		
440.0'	450.0'	10.0'	.05		
450.0'	461.5'	11.5'	.10		
461.5'	462.5'	1.0'	1.40	}	.07
462.5'	474.0'	11.5'	.05		
474.0'	477.5'	3.5'	1.90		
477.5'	484.0'	6.5'	<.05		
484.0'	490.0'	6.0'	.15	}	.54
490.0'	500.0'	10.0'	.05		
500.0'	510.0'	10.0'	.05		
510.0'	520.0'	10.0'	.10		
520.0'	530.0'	10.0'	.10	}	.50
530.0'	538.0'	8.0'	.10		
538.0'	540.0'	2.0'	.15		
540.0'	550.0'	10.0'	.10		
550.0'	562.0'	12.0'	.05	}	.07
562.0'	572.0'	10.0'	.35		
572.0'	583.5'	11.5'	.15		
583.5'	586.0'	2.5'	.65		
586.0'	595.0'	9.0'	.50	}	26.0
595.0'	604.5'	9.5'	.15		
604.5'	610.5'	6.0'	1.5		
610.5'	615.5'	5.0'	.45		
615.5'	620.0'	4.5'	.60	}	.54
620.0'	627.0'	7.0'	.15		

.50  
65.5

471  
412  
62

DWH:sa  
Trail Expl'n. Office, Western District  
July 26, 1966  
Copies (3)

COMINCO LTD.

WESTERN DISTRICT

EXPLORATION OFFICE

GIBRALTAR PROPERTY  
DRILL SAMPLING

HOLE C-26

Location: 6+00W, 9+50S  
Dip: -45°  
Brg: N 45° E  
Elevation: 2,600'  
Length: 695'

<u>From</u>	<u>To</u>	<u>Length</u>	<u>% Cu</u>
210.0'	219.0'	9.0'	4.05
219.0'	226.0'	7.0'	.20
226.0'	227.0'	1.0'	.45
227.0'	237.0'	10.0'	.05
237.0'	245.0'	8.0'	.10
245.0'	257.0'	12.0'	.10
257.0'	267.0'	10.0'	.05
267.0'	277.0'	10.0'	.10
277.0'	284.5'	7.5'	.15
284.5'	291.0'	6.5'	.65
291.0'	301.0'	10.0'	.10
301.0'	311.0'	10.0'	.10
311.0'	317.5'	6.5'	.05
317.5'	321.0'	3.5'	.15
321.0'	325.5'	4.5'	.05
325.5'	334.5'	9.0'	.20
334.5'	339.5'	5.0'	.05
339.5'	346.0'	6.5'	.20
346.0'	352.5'	6.5'	.35
352.5'	357.0'	4.5'	.35
357.0'	364.5'	7.5'	.20
364.5'	375.0'	10.5'	1.9
375.0'	385.0'	10.0'	.15
385.0'	395.0'	10.0'	.10
395.0'	405.0'	10.0'	.05
405.0'	417.5'	12.5'	.05
417.5'	426.0'	8.5'	1.4
426.0'	436.0'	10.0'	.15
436.0'	438.0'	2.0'	.80
438.0'	444.5'	6.5'	.10
444.5'	452.0'	7.5'	.10
452.0'	453.0'	1.0'	.50
453.0'	463.0'	10.0'	.05
463.0'	466.0'	3.0'	.05
466.0'	469.0'	3.0'	.50
469.0'	476.0'	7.0'	.15
476.0'	479.0'	3.0'	.55

48  
9.2

<u>Footage</u>		<u>Length</u>	<u>% Cu</u>
<u>From</u>	<u>To</u>		
479.0'	482.5'	3.5'	.25
482.5'	488.5'	6.0'	.50
488.5'	499.0'	10.5'	.20
499.0'	500.0'	1.0'	.10
500.0'	510.0'	10.0'	.05
510.0'	520.0'	10.0'	.05
520.0'	530.0'	10.0'	.05
530.0'	541.5'	11.5'	.10
541.5'	543.5'	2.0'	.65
543.5'	553.0'	9.5'	.05
553.0'	563.0'	10.0'	.15
563.0'	573.0'	10.0'	.15
573.0'	581.0'	8.0'	.15
581.0'	587.0'	6.0'	.15
587.0'	592.0'	6.0'	.20
592.0'	593.0'	1.0'	.25
593.0'	603.0'	10.0'	.10
603.0'	612.0'	9.0'	.10
612.0'	615.0'	3.0'	.35
615.0'	625.0'	10.0'	.05
625.0'	635.0'	10.0'	.10
635.0'	643.0'	8.0'	.05
643.0'	649.5'	6.5'	.15
649.5'	660.0'	10.5'	.10
660.0'	666.0'	6.0'	.35
666.0'	676.0'	10.0'	.10
676.0'	686.0'	10.0'	.10
686.0'	695.0'	9.0'	.15

DWH:sa

Trail Expl'n Office, Western District

July 26, 1966

Copies (3)

COMINCO LTD.

WESTERN DISTRICT

EXPLORATION OFFICE

GIBRALTAR PROPERTY  
DRILL SAMPLING

HOLE C-27

Location: 8+00W, 9+00S  
Dip: 45°  
Brg: N 45° E  
Elevation: 2,625'  
Length: 350'

Abandoned at 350'. No sampling.

DWH:sa  
Trail Expl'n. Office, Western District  
July 26, 1966  
Copies (3)



Gibraltar Mines Ltd.,  
c/o Mr. D. Bowes,  
845 West Pender Street,  
Vancouver, B. C.

June 29, 1966

Dear Doug:

Enclosed is our Sample Record Sheet showing the assay results on drill hole C-23. The location and dip of the hole is shown on the Sample Record.

Drill hole C-24 was temporarily abandoned before reaching the anticipated zone, but will be deepened when "A" drill rods are available.

Results have not yet been received from drill hole C-25 and C-26. Hole C-27 is currently drilling.

In the assay results which I sent to you on holes B-19, 20, 21, 22 and 23, there are some typographical and arithmetical errors as follows:-

- |           |  |
|-----------|--|
| Hole B-19 | <ul style="list-style-type: none"><li>- From 502.5 to 540 should read 37.5' averaging 0.54% Cu.</li><li>- From 565 to 592 should read 27' averaging 0.41% Cu</li><li>- From 502.5 to 592 should read 89.5' averaging 0.40% Cu.</li></ul> |
| Hole B-20 | <ul style="list-style-type: none"><li>- Section from 193 to 207' was sampled and ran trace. We estimated it as barren in the averages so there will be no change in the average given.</li></ul>   |
| Hole B-21 | <ul style="list-style-type: none"><li>- From 633.5 to 655' should read 21.5' averaging 0.59%.</li></ul>  |

Yours very truly,

E. H. Caldwell,  
Superintendent,  
Exploration

EHC/nc  
Encl.



COMINCO LTD.

WESTERN DISTRICT

EXPLORATION OFFICE

GIBRALTAR PROPERTY  
DRILL SAMPLING

HOLE C-23

Location: 18+00W, 10+00S  
Dip: -90°

Footage

<u>From</u>	<u>To</u>	<u>Length</u>	<u>%Cu</u>			
139.5'	144.5'	5.0'	.05			
144.5'	145.5'	1.0'	.20			
145.5'	153.0'	7.5'	.05			
153.0'	153.5'	0.5'	1.6			
153.5'	165.0'	11.5'	.05			
165.0'	170.0'	5.0'	.10			
194.0'	199.0'	5.0'	Tr.			
199.0'	205.0'	6.0'	.20			
205.0'	215.0'	10.0'	.10			
215.0'	225.0'	10.0'	.05			
225.0'	228.0'	3.0'	Tr.			
228.0'	234.5'	6.5'	.30			
376.0'	381.0'	5.0'	<.05			
381.0'	387.0'	6.0'	.20			
387.0'	392.0'	5.0'	.20			
392.0'	403.0'	11.0'	.05	)		
403.0'	404.0'	1.0'	1.7	)		
404.0'	406.0'	2.0'	.10	)		
406.0'	410.0'	4.0'	1.3	)		
410.0'	412.5'	2.5'	.10	)		
412.5'	413.5'	1.0'	1.4	)	0.48	
413.5'	425.0'	11.5'	.10	)	48'	
425.0'	427.0'	2.0'	2.1	)		
427.0'	441.0'	14.0'	.25	)		
441.0'	445.0'	4.0'	.10	)		
445.0'	451.0'	6.0'	.80	)		
451.0'	454.0'	3.0'	.30	)		
454.0'	460.0'	6.0'	Tr.	)	.40	
460.0'	462.0'	2.0'	.15	)	11'	
462.0'	464.5'	2.5'	.50	)		
464.5'	468.0'	3.5'	.30	)		
468.0'	477.0'	9.0'	.10	)		
477.0'	478.5'	1.5'	6.0	)		
478.5'	486.0'	7.5'	.10	)		
486.0'	495.0'	9.0'	.70	)		
495.0'	500.0'	5.0'	1.2	)		
500.0'	505.0'	5.0'	.25	)		
505.0'	510.0'	5.0'	.40	)		
						0.50
						132.5'

<u>Footage</u>				
<u>From</u>	<u>To</u>	<u>Length</u>	<u>% Cu</u>	
510.0'	515.0'	5.0'	.60	) 0.58 73.5'
515.0'	518.0'	3.0'	.55	
518.0'	521.5'	3.5'	.05	
521.5'	525.0'	3.5'	.20	
525.0'	527.5'	2.5'	.55	
527.5'	530.0'	2.5'	.15	
530.0'	535.5'	5.5'	1.5	
535.5'	538.5'	3.0'	.15	
570.0'	574.0'	4.0'	.30	
574.0'	580.0'	6.0'	.25	
580.0'	583.0'	3.0'	.20	.30
583.0'	586.0'	3.0'	.30	
586.0'	588.0'	2.0'	.05	
588.0'	592.0'	4.0'	.60	

~~1.85~~

DWH:ss  
Trail Expl'n Office, Western District  
June 27, 1966  
Copies (3)

1.2  
1.5  
6  
9  
1  
2.4  
22 | 6.7  
3  
6.6

66.25  
6.70  
72.95



# Certificate

"COMPANIES ACT"

Canada  
Province of British Columbia

I **Hereby Certify** *that* GIBRALTAR MINES LTD. (N.P.L.)

has pursuant to Section 72 of the "Companies Act" converted

itself from a private company into a public company.

Given under my hand and seal of office at  
Victoria, B.C., this -first-  
day of May, one  
thousand nine hundred and sixty-three.

A. H. HALL

Registrar of Companies.