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From: John Hope, Chief Geologist — Globe, Arizona
To: E. N. Pennebaker, Consulting Geologist — April 26, 1949

Subject: Memorandum on the Yuma Copper Company, Yuma County, Arizona.

On April 14th, I accompanied you on a brief examination of the holdings of the Yuma Copper Co., and this memorandum gives my impressions.

The property owned by the Yuma Copper Company consists of twelve unpatented claims located some 10 miles north of Vicksburg on the northwest slopes of the Harcuvar Mountains in northern Yuma County.

A considerable amount of development work has opened up a moderate size body of copper ore. The ore occurs in an intercalated limestone bed in pre-Cambrian schist. Except for minor offshoots, all of the ore is contained in this favorable horizon. The bed strikes east-west and dips at ± 30° to the north. To the west, the bed is regular but the mineralization fades rapidly on strike. To the east, the bed is badly faulted and pinches from place to place. In this direction some four fault blocks were noted, and it is difficult if not impossible to trace the bed without detailed mapping.

In thickness, the bed varies between 15 and 60 feet and is badly warped and corrugated. The terrain on the hanging wall side is precipitous which fact would make any drilling campaign difficult and costly. Northerly striking post-mineral andesitic dikes of varying thicknesses cut the mineralized bed thereby complicating the structural pattern and diluting the ore.

Two inclined shafts and three levels have opened up the mineralized bed over a total strike distance of about 1,000 feet. Some 600 feet of ore on strike has been developed on the three levels. The high grade ore averaging about 10% copper has been mined on the adit level and is, in the main, copper oxides and carbonates. The intermediate and lower (sulphide) levels average between 1.5 and 2.0% copper, mainly as chalcopyrite. On these two levels, values seem to be highest near the footwall as would be expected. The copper content fades into the hanging wall and to the east along the strike. At the east end of the lower (sulphide) level, the ore runs between 1.3 and 1.6% copper. Two samples taken at the east face of this level during our examination averaged only 0.74% copper. The thickness of the ore varies considerably and no average could be approximated without some additional development work. However, at one place on the lower level, the bed was mined thru a 35 foot thickness.

The total tonnage of ore mined to date which seems to include development ore is 7,867 tons averaging 2.10% copper. The average would be less if the higher grade shipments of the oxide material were not included. The ore carries a precious metal content of between $0.70 and $1.00 per ton.

The possibilities of developing a sufficient tonnage of 2% ore to justify an exploration campaign are not good. To the west, the mineralization fades rapidly on the surface and there is little or no reason to expect ore at depth in this extension. To the east, the mineralized bed is badly displaced by several strong faults and the tracing of the bed would involve a good deal of detailed mapping which may or may not make it economically possible to locate all the faulted segments. Whether or not the bed is even mineralized in this direction is not known. At depth, the copper content seems to be diminishing and it is doubtful whether a mineable grade would even be over 1.4% copper.

It is now economically impossible to mine and mill ore of such grade in limited bodies of this type and since the possibilities of developing better grade ore are rather remote, the property hardly warrants any further consideration.

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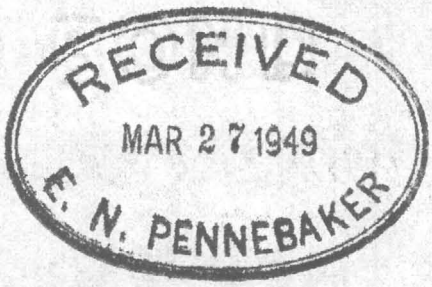
John Hope

CONSOLIDATED COPPERMINES CORPORATION
KIMBERLY, NEVADA

A. J. O'CONNOR
GENERAL MANAGER

JOHN EABY
CHIEF CLERK

March 24, 1949



Mr. E. N. Pennebaker
P. O. Box 2996
Globe, Arizona

Dear Penny:

I am enclosing a letter and shipment record from a Mr. J. Paul Mooseau of Phoenix. I am also enclosing a copy of my letter to him in the matter. On the face of it, it sounds interesting and worthy of consideration. However, either you or John may have some additional information on this ground, or have heard of it before.

Sincerely,

Art

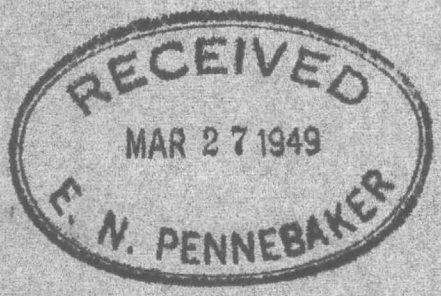
Art

AJO'C/mg
Encls.

COPY

CONSOLIDATED COPPERMINES CORPORATION
KIMBERLY, NEVADA

March 24, 1949



Mr. J. Paul Mooseau
P. O. Box 2022
Phoenix, Arizona

Dear Sir:

I received your letter and enclosure of March 22nd this morning. I am forwarding your letter and enclosure to our Mr. E. N. Pennebaker, Box 2996, Globe, Arizona, Telephone: Globe 921-R7. Mr. Pennebaker is our Consulting Geologist, and as such is in charge of all examination work for this company. According to Mr. Pennebaker's plans, he will be out of town the latter part of this month but should be available at Globe on March 31st or April 1st. I suggest that you contact Mr. Pennebaker at the above address for further consideration of your property.

From the data submitted, your holdings are of interest to us and I believe warrant our active consideration.

Yours very truly,

CONSOLIDATED COPPERMINES CORPORATION

Original Signed By
A. J. O'CONNOR

By: _____
A. J. O'Connor
General Manager

AJO'C/mg
cc - Mr. E. N. Pennebaker

OFFICE-WAREHOUSE
1761 GRAND AVE.

TELEPHONES
4-2354 - 4-5712

J. PAUL MOOSEAU
GENERAL CONSTRUCTION
MAILING ADDRESS — P. O. BOX 2022
PHOENIX, ARIZONA

March 22nd, 1949

Consolidated Coppermines,
Kimberly, Nevada.

Gentlemen:

My half-brother, Mr. Duane Rebstock, Mining Engineer, of Berkeley California, and I, have under option on very attractive terms, the property locally known as "Yuma Copper Company", consisting of twelve unpatented mining claims in northern Yuma County, Arizona.

The development work so far accomplished on this group consists mainly of an incline shaft dipping approximately 34 degrees on the mineralized area, about 700 feet, and laterals of a total extent of approximately 1000 feet.

The former developers, not satisfied with results they were getting from cut sampling, and under the spur of bonuses offered during the war by the United States government for production from new sources of copper ores, started shipping the entire product of their development work. The result is that we have a showing of some 150 cars of ore shipped from development. This number of cars counts only those shipped from the vein, or deposit, of low grade ores. The weighted average of these shipments, show a value of 1.706% copper, - all sulphide - about .028 oz. Au., and about .3 oz. Ag., for the something more than 80,000 tons shipped.

Since that time, the property was examined by two of the bigger copper producers and for some reason turned down. I came into the picture after this had happened. My brother and I made a cursory examination of the property and we were at a loss to see how they could have turned it down without doing more development work on it. One of the companies gave the property something over 300,000 tons of sulphide ore developed on three sides, with an arithmetical value of 1.73% Cu., and the gold and silver values as shown by the shipments. It happens that I was with one of the companies that turned the property down, for nine years, and am on very good personal terms with the management in the west, of the other company. I went directly to them and asked them how in the world they could let that property go without more thoro exploration. They showed me their geologists' reports, and their analyses of the general situation with the property. It is my considered opinion that they did not turn it down on it's merits, but rather because of at least one very unsavory personality in connection with the property. I may add here, that before I made any proposition to the owners, that one personality, was cleared out of the picture. We now have a clean deal with the owners, with very nominal monthly payments and the total consideration for the property can be taken from production.

We want someone who is interested in developing the property to take over, and to one who will enter into the deal and really do some constructive work, we will make a most attractive offer.

I will not make any attempt to describe the geological picture. Suffice it to say that the ore occurs between limestone walls. The ore is from 30 to about 60 feet thick; is of a sandy character. Attempts to diamond drill it have failed, as the vein material is so porous that both core and sludge are lost. The vein has been post minerally intruded with andesitic dikes, ranging in thickness from 4 inches to 11 feet. Even tho the vein material is so soft that it can be taken from place by hand, and crumbles to mostly minus 16 mesh, it stands beautifully in drifts and raises. I do not know of another such occurance, nor have I met anyone who has seen a similar one, unless possibly in the early days at Cannanea, Sonora, Mexico, with their "sand sulphides".

We are very anxious to get someone interested in this property, and one can have practically carte blanche. The property is equipped with hoist, cars, 100 hp deisel engined electric power plant, and pumping equipment, all of which may be used merely for the upkeep.

I will appreciate an early reply from you as to whether or not this sounds interesting to you.

Yours very truly,

J.Paul Mooseau.

JPM-fcm

YUMA COPPER MINE.

CARLOAD SHIPMENTS TO CLARKDALE: Lot Numbers in Circles.

Shippers Lot No.	Dry Tons	Cu. %	Au.Oz.	Ag. Oz.	Fe. %	CaO. %	SiO_2 %	
5	58.152	1.35	0.025	0.36	13.0	20.6	28.5	
6	54.137	1.50	0.04	0.27	18.1	10.5	45.4	
7	104.740	1.72	0.01	0.29	18.1	20.8	36.5	
8	106.639	2.03	0.02	0.25	16.4	19.3	38.0	
9	97.389	2.52	0.02	0.36	18.3	17.0	35.3	
10	99.622	1.72	0.02	0.27	17.3	15.0	38.3	
11	107.859	1.33	0.03	0.25	21.3	17.2	35.1	
12	96.597	2.53	0.02	0.28	17.4	14.8	39.5	
13	103.869	2.67	0.02	0.22	15.5	14.6	37.6	
14	100.612	1.90	0.01	0.22	15.3	14.6	38.3	
15	99.943	1.34	0.03	0.27	15.0	15.2	38.4	
16	209.058	1.37	0.03	0.22	15.7	17.9	38.0	
17	107.436	1.19	0.02	0.19	13.0	14.8	40.5	
18	103.692	.96	0.02	0.18	12.7	15.3	41.7	
19	108.464	1.37	0.02	0.20	13.5	16.1	39.0	
20	105.834	1.28	0.02	0.18	13.6	18.1	40.0	
21	109.167	1.06	0.03	0.16	13.0	18.3	39.0	
22	104.584	1.15	0.02	0.21	27.7	12.9	32.1	
23	103.138	1.27	0.03	0.22	26.7	12.9	32.9	
24	108.088	1.31	0.02	0.25	22.5	17.0	36.2	
25	98.697	2.90	0.02	0.25	13.0	13.4	40.7	
26	55.981	4.30	0.03	0.22	14.2	14.5	41.2	
27	61.278	4.54	0.03	0.25	15.3	16.5	40.2	
28	60.393	3.93	0.03	0.28	17.9	17.4	39.6	
29	112.886	1.55	0.02	0.23	18.4	20.4	35.5	
30	47.785	2.24	0.02	0.28	18.1	18.8	35.9	
31	105.761	1.95	0.02	0.29	17.5	18.6	36.4	
32	58.621	3.10	0.02	0.30	17.4	17.6	37.8	
33	54.662	2.80	0.03	0.29	17.4	15.1	40.5	
34	94.007	2.46	0.03	0.31	17.8	15.4	41.5	
35	91.227	2.18	0.04	0.33	18.1	13.9	40.6	
36	110.835	1.45	0.02	0.25	21.7	16.0	37.3	
37	90.225	1.48	0.03	0.27	17.8	16.9	43.5	
38	98.885	1.52	0.025	0.25	18.4	17.1	40.7	
39	102.893	1.14	0.02	0.25	17.6	19.6	37.5	
40	100.739	1.23	0.028	0.24	15.9	17.6	40.8	
41	155.651	1.29	0.027	0.24	14.8	19.3	37.2	
42	104.872	1.37	0.035	0.27	13.8	14.1	37.2	
43	53.591	1.39	0.042	0.25	15.5	16.9	38.0	
44	104.273	1.58	0.028	0.29	16.6	16.1	43.7	
45	98.161	1.64	0.03	0.28	15.0	17.7	43.0	
46	51.453	1.61	0.03	0.28	16.4	17.9	43.7	
47	148.902	1.71	0.03	0.29	15.3	17.1	41.0	
48	95.763	1.77	0.03	0.30	15.3	14.5	44.1	
49	97.149	1.76	0.03	0.29	17.0	15.8	47.8	
50	97.723	1.77	0.032	0.31	16.3	16.2	43.3	
51	104.405	1.85	0.03	0.30	15.9	16.6	45.2	
52	100.109	1.70	0.03	0.30	16.1	17.9	38.6	
53	97.931	1.74	0.032	0.29	17.0	16.3	41.3	
54	102.584	1.71	0.04	0.29	15.1	16.3	40.8	
55	106.811	1.71	0.038	0.31	16.9	16.6	43.2	
56	99.672	1.64	0.03	0.27	16.1	17.8	39.9	
57	100.784	1.41	0.03	0.26	18.8	17.0	37.6	
58	104.613	1.78	0.035	0.30	18.3	14.9	42.4	
59	118.166	1.53	0.032	0.26	18.3	16.5	42.8	
60	117.157	1.41	0.035	0.26	20.1	15.3	39.4	
61	115.031	1.62	0.03	0.37	19.5	15.0	39.6	
62	120.127	1.45	0.03	0.26	19.5	14.0	41.9	
63	117.810	1.46	0.033	0.29	19.3	14.8	40.0	
64	116.721	1.37	0.032	0.24	19.0	16.0	40.5	
65	241.260	1.31	0.028	0.23	20.4	14.8	37.3	
66	36.659	2.06	0.028	0.39	18.3	14.0	42.3	
67	57.296	1.36	0.025	0.28	18.2	14.7	41.2	
68	46.997	5.07	0.01	0.16	15.0	18.3	37.4	-Oxidized
69	45.415	2.12	0.015	0.25	17.0	18.2	41.1	
70	21.536	8.08	0.005	0.10	11.9	16.2	41.3	-Oxidized

Weighted Average 1.706%. Lots No. 68 and 70 omitted.

YUMA COPPER MINE.

CARLOAD SHIPMENTS TO MAGMA SMELTER: ~~Oxidized~~ SULPHIDE Ores: Car Numbers Noted on Map.

Car Number	Dry Tons	Cu. %	Au. Oz.	Ag. Oz.	Fe %	CaO %	SiO_2 %	
172258	47.9305	1.95	0.05	0.20	15.8	15.1	50.0	
83285	57.122	1.95	0.05	0.20	15.7	15.2	52.2	
173211	48.8715	2.00	0.06	0.40	15.8	15.8	51.2	
81547 & 172130	95.065	2.10	0.06	0.40	14.3	14.8	51.0	
174267	56.064	2.02	0.05	0.20	13.66	15.4	52.00	
82490	48.80	1.74	0.04	0.20	16.4	14.6	48.6	
83088 & 83087	102.2965	1.75	0.05	0.10	17.3	15.6	48.6	
70011	90.922	1.73	0.05	0.10	16.3	15.1	49.2	
85669	51.5285	1.60	0.05	0.20	14.4	15.6	51.0	
81121 & 172698	101.0895	1.38	0.04	0.10	13.5	14.3	54.8	
83942 & 85638 & 173584	157.505	1.63	0.06	0.60	14.3	16.5	52.6	
82240 & 172950	101.079	1.92	0.04	0.20	14.8	18.3	49.4	
84578 & 173900	90.543	1.61	0.04	0.20	14.7	16.2	52.0	
172783	43.9805	9.38	0.04	0.20	12.0	15.0	38.4	Oxidized Ores
171804	42.6025	11.15	0.03	0.10	11.2	14.0	39.0	
82152	38.053	11.48	0.06	0.40	9.8	14.2	39.2	
83717	30.978	9.17	0.02	0.40	11.8	15.2	38.0	
83747	43.248	9.78	0.03	0.50	10.8	14.2	40.0	
173707	52.0675	8.52	0.02	0.30	12.4	16.9	37.4	
172808	53.0185	8.80	0.02	0.50	12.2	16.2	39.2	
84442	52.689	7.65	0.02	0.20	12.6	17.5	37.4	
83373	49.4525	7.15	0.02	0.20	12.4	17.4	39.8	

CONSOLIDATED COPPERMINES CORPORATION

ASSAY CERTIFICATE

Geological Dept. KIMBERLY, NEVADA. April 20, 1949 194

NO.	DESCRIPTION	TON-2000 LBS. OZS. GOLD	OZS. SILVER	PER CENT COPPER	PER CENT INSOL	PER CENT IRON	PER CENT CaO	PER CENT Al_2O_3	PER CENT S	PER CENT Pb	PER CENT	PER CENT
	4001	.01	.09	.55								
	2	.01	.15	.93								
	No Tag	Trace	Trace	Trace								
	Yuma Copper Sulphide L. East Face											

.74 oz Au.

RECEIVED
APR 24 1949
E. N. PENNEBAKER

Lewis W Mathis CHIEF CHEMIST

YUMA COPPER MINE

CARLOAD SHIPMENTS TO CLARKDALE: Lot Numbers in Circles

Shippers Lot No.	Dry Tons	Cu.%	Au. Oz.	Ag. Oz.	Fe. %	CaO.%	S_1O_2%
5	58.152	1.35	0.025	0.36	13.0	20.6	28.5
6	54.137	1.50	0.04	0.27	18.1	10.5	45.4
7	104.740	1.72	0.01	0.29	18.1	20.8	36.5
8	106.639	2.03	0.02	0.25	16.4	19.3	38.0
9	97.389	2.52	0.02	0.36	18.3	17.0	35.3
10	99.622	1.72	0.02	0.27	17.3	15.0	38.3
11	107.859	1.33	0.03	0.25	21.3	17.2	35.1
12	96.597	2.53	0.02	0.28	17.4	14.8	39.5
13	103.869	2.67	0.02	0.22	15.5	14.6	37.6
14	100.612	1.90	0.01	0.22	15.3	14.6	38.3
15	99.943	1.34	0.03	0.27	15.0	15.2	38.4
16	209.058	1.37	0.03	0.22	15.7	17.9	38.0
17	107.436	1.19	0.02	0.19	13.0	14.8	40.5
18	103.692	.96	0.02	0.18	12.7	15.3	41.7
19	108.464	1.37	0.02	0.20	13.5	16.1	39.0
20	105.834	1.28	0.02	0.18	13.6	18.1	40.0
21	109.167	1.06	0.03	0.16	13.0	18.3	39.0
22	104.584	1.15	0.02	0.21	27.7	12.9	32.1
23	103.138	1.27	0.03	0.22	26.7	12.9	32.9
24	108.088	1.31	0.02	0.25	22.5	17.0	36.2
25	98.697	2.90	0.02	0.25	13.0	13.4	40.7
26	55.981	4.30	0.03	0.22	14.2	14.5	41.2
27	61.278	4.54	0.03	0.25	15.3	16.5	40.2
28	60.393	3.93	0.03	0.28	17.9	17.4	39.6
29	112.886	1.55	0.02	0.23	18.4	20.4	35.5
30	47.785	2.24	0.02	0.28	18.1	18.8	35.9
31	105.761	1.95	0.02	0.29	17.5	18.6	36.4
32	58.621	3.10	0.02	0.30	17.4	17.6	37.8
33	54.662	2.80	0.03	0.29	17.4	15.1	40.5
34	94.007	2.46	0.03	0.31	17.8	15.4	41.5
35	91.227	2.18	0.04	0.33	18.1	13.9	40.6
36	110.835	1.45	0.02	0.25	21.7	16.0	37.3
37	90.225	1.48	0.03	0.27	17.8	16.9	43.5
38	98.885	1.52	0.025	0.25	18.4	17.1	40.7
39	102.893	1.14	0.02	0.25	17.6	19.6	37.5
40	100.739	1.23	0.028	0.24	15.9	17.6	40.8
41	155.651	1.29	0.027	0.24	14.8	19.3	37.2
42	104.872	1.37	0.035	0.27	13.8	14.1	37.2
43	53.591	1.39	0.042	0.25	15.5	16.9	38.0
44	104.273	1.58	0.028	0.29	16.6	16.1	43.7
45	98.161	1.64	0.03	0.28	15.0	17.7	43.0
46	51.453	1.61	0.03	0.28	16.4	17.9	43.7
47	148.902	1.71	0.03	0.29	15.3	17.1	41.0
48	95.763	1.77	0.03	0.30	15.3	14.5	44.1
49	97.149	1.76	0.03	0.29	17.0	15.8	47.8
50	97.723	1.77	0.032	0.31	16.3	16.2	43.3
51	104.405	1.85	0.03	0.30	15.9	16.6	45.2
52	100.109	1.70	0.03	0.30	16.1	17.9	38.6
53	97.931	1.74	0.032	0.29	17.0	16.3	41.3

-54	102.584	1.71	0.04	0.29	15.1	16.3	40.8	
-55	106.811	1.71	0.038	0.31	16.9	16.6	43.2	
-56	99.672	1.64	0.03	0.27	16.1	17.8	39.9	
-57	100.784	1.41	0.03	0.26	18.8	17.0	37.6	
-58	104.613	1.78	0.035	0.30	18.3	14.9	42.4	
-59	118.166	1.53	0.032	0.26	18.3	16.5	42.8	
-60	117.157	1.41	0.035	0.26	20.1	15.3	39.4	
-61	115.031	1.62	0.03	0.37	19.5	15.0	39.6	
-62	120.127	1.45	0.03	0.26	19.5	14.0	41.9	
-63	117.810	1.46	0.033	0.29	19.3	14.8	40.0	
-64	116.721	1.37	0.032	0.24	19.0	16.0	40.5	
-65	241.260	1.31	0.028	0.23	20.4	14.8	37.3	
-66	36.659	2.06	0.028	0.39	18.3	14.0	42.3	
-67	57.296	1.36	0.025	0.28	18.2	14.7	41.2	
-68	46.997	5.07	0.01	0.16	15.0	18.3	37.4	(Ox.)
-69	45.415	2.12	0.015	0.25	17.0	18.2	41.1	
-70	21.536	8.08	0.005	0.10	11.9	16.2	41.3	(Ox.)

6,412.517 Tons

Weighted Average 1.706%. Lots No. 68 and 70 omitted.

not checked

YUMA COPPER MINE

CARLOAD SHIPMENTS TO MAGMA SMELTER: Sulphide Ores: Car Numbers Noted on Map.

Car Number	Dry Tons	Cu.%	Au.Oz	Ag. Oz.	Fe %	CaO%	SiO_2 %	
-172258	47.9305	1.95	0.05	0.20	15.8	15.1	50.0	93.46
- 83285	57.122	1.95	0.05	0.20	15.7	15.2	52.2	111.39
-173211	48.8715	2.00	0.06	0.40	15.8	15.8	51.2	97.74
-81547 & -172130	95.065	2.10	0.06	0.40	14.3	14.8	51.0	199.64
-174267	56.064	2.02	0.05	0.20	13.66	15.4	52.00	113.25
82490	48.80	1.74	0.04	0.20	16.4	14.6	48.6	84.91
-83088 & -83087	102.2965	1.75	0.05	0.10	17.3	15.6	48.6	179.02
70011	90.922	1.73	0.05	0.10	16.3	15.1	49.2	157.30
-85669	51.5285	1.60	0.05	0.20	14.4	15.6	51.0	82.44
-81121 & -172698	101.0895	1.38	0.04	0.10	13.5	14.3	54.8	139.50
83942 & 85638 & 173584	157.505	1.63	0.06	0.60	14.3	16.5	52.6	256.73
82240 & 172950	101.079	1.92	0.04	0.20	14.8	18.3	49.4	194.07
84578 & 173900	90.543	1.61	0.04	0.20	14.7	16.2	52.0	145.77
172783	43.9805	9.38	0.04	0.20	12.0	15.0	38.4	412.53
171804	42.6025	11.15	0.03	0.10	11.2	14.0	39.0	475.01
-82152	38.053	11.48	0.06	0.40	9.8	14.2	39.2	436.84
-83717	30.978	9.17	0.02	0.40	11.8	15.2	38.0	284.07
-83747	43.248	9.78	0.03	0.50	10.8	14.2	40.0	422.97

173707	52.0675	8.52	0.02	0.30	12.4	16.9	37.4	443.61
172808	53.0185	8.80	0.02	0.50	12.2	16.2	39.2	466.56
84442	52.689	7.65	0.02	0.20	12.6	17.5	37.4	403.07
83373	49.4525	7.15	0.02	0.20	12.4	17.4	39.8	353.58

1,454.901 Tons @ 3.82% Cu

Total Tonnage of shipments given = 7,867.418 Tons

@ 2.10% Cu (weighted)

YUMA COPPER MINE

CARLOAD SHIPMENTS TO CLARKDALE: Lot Numbers in Circles

Shippers Lot No.	Dry Tons	Cu.%	Au. Oz.	Ag. Oz.	Fe. %	CaO.%	SiO_2%
5	58.152	1.35	0.025	0.36	13.0	20.6	28.5
6	54.137	1.50	0.04	0.27	18.1	10.5	45.4
7	104.740	1.72	0.01	0.29	18.1	20.8	36.5
8	106.639	2.03	0.02	0.25	16.4	19.3	38.0
9	97.389	2.52	0.02	0.36	18.3	17.0	35.3
10	99.622	1.72	0.02	0.27	17.3	15.0	38.3
11	107.859	1.33	0.03	0.25	21.3	17.2	35.1
12	96.597	2.53	0.02	0.28	17.4	14.8	39.5
13	103.869	2.67	0.02	0.22	15.5	14.6	37.6
14	100.612	1.90	0.01	0.22	15.3	14.6	38.3
15	99.943	1.34	0.03	0.27	15.0	15.2	38.4
16	209.058	1.37	0.03	0.22	15.7	17.9	38.0
17	107.436	1.19	0.02	0.19	13.0	14.8	40.5
18	103.692	.96	0.02	0.18	12.7	15.3	41.7
19	108.464	1.37	0.02	0.20	13.5	16.1	39.0
20	105.834	1.28	0.02	0.18	13.6	18.1	40.0
21	109.167	1.06	0.03	0.16	13.0	18.3	39.0
22	104.584	1.15	0.02	0.21	27.7	12.9	32.1
23	103.138	1.27	0.03	0.22	26.7	12.9	32.9
24	108.088	1.31	0.02	0.25	22.5	17.0	36.2
25	98.697	2.90	0.02	0.25	13.0	13.4	40.7
26	55.981	4.30	0.03	0.22	14.2	14.5	41.2
27	61.278	4.54	0.03	0.25	15.3	16.5	40.2
28	60.393	3.93	0.03	0.28	17.9	17.4	39.6
29	112.886	1.55	0.02	0.23	18.4	20.4	35.5
30	47.785	2.24	0.02	0.28	18.1	18.8	35.9
31	105.761	1.95	0.02	0.29	17.5	18.6	36.4
32	58.621	3.10	0.02	0.30	17.4	17.6	37.8
33	54.662	2.80	0.03	0.29	17.4	15.1	40.5
34	94.007	2.46	0.03	0.31	17.8	15.4	41.5
35	91.227	2.18	0.04	0.33	18.1	13.9	40.6
36	110.835	1.45	0.02	0.25	21.7	16.0	37.3
37	90.225	1.48	0.03	0.27	17.8	16.9	43.5
38	98.885	1.52	0.025	0.25	18.4	17.1	40.7
39	102.893	1.14	0.02	0.25	17.6	19.6	37.5
40	100.739	1.23	0.028	0.24	15.9	17.6	40.8
41	155.651	1.29	0.027	0.24	14.8	19.3	37.2
42	104.872	1.37	0.035	0.27	13.8	14.1	37.2
43	53.591	1.39	0.042	0.25	15.5	16.9	38.0
44	104.273	1.58	0.028	0.29	16.6	16.1	43.7
45	98.161	1.64	0.03	0.28	15.0	17.7	43.0
46	51.453	1.61	0.03	0.28	16.4	17.9	43.7
47	148.902	1.71	0.03	0.29	15.3	17.1	41.0
48	95.763	1.77	0.03	0.30	15.3	14.5	44.1
49	97.149	1.76	0.03	0.29	17.0	15.8	47.8
50	97.723	1.77	0.032	0.31	16.3	16.2	43.3
51	104.405	1.85	0.03	0.30	15.9	16.6	45.2
52	100.109	1.70	0.03	0.30	16.1	17.9	38.6
53	97.931	1.74	0.032	0.29	17.0	16.3	41.3

54	102.584	1.71	0.04	0.29	15.1	16.3	40.8	
55	106.811	1.71	0.038	0.31	16.9	16.6	43.2	
56	99.672	1.64	0.03	0.27	16.1	17.8	39.9	
57	100.784	1.41	0.03	0.26	18.8	17.0	37.6	
58	104.613	1.78	0.035	0.30	18.3	14.9	42.4	
59	118.166	1.53	0.032	0.26	18.3	16.5	42.8	
60	117.157	1.41	0.035	0.26	20.1	15.3	39.4	
61	115.031	1.62	0.03	0.37	19.5	15.0	39.6	
62	120.127	1.45	0.03	0.26	19.5	14.0	41.9	
63	117.810	1.46	0.033	0.29	19.3	14.8	40.0	
64	116.721	1.37	0.032	0.24	19.0	16.0	40.5	
65	241.260	1.31	0.028	0.23	20.4	14.8	37.3	
66	36.659	2.06	0.028	0.39	18.3	14.0	42.3	
67	57.296	1.36	0.025	0.28	18.2	14.7	41.2	
68	46.997	5.07	0.01	0.16	15.0	18.3	37.4	(Ox.)
69	45.415	2.12	0.015	0.25	17.0	18.2	41.1	
70	21.536	8.08	0.005	0.10	11.9	16.2	41.3	(Ox.)

Weighted Average 1.706%. Lots No. 68 and 70 omitted.

YUMA COPPER MINE

CARLOAD SHIPMENTS TO MAGMA SMELTER: Sulphide Ores: Car Numbers Noted on Map.

Car Number	Dry Tons	Cu.%	Au.Oz	Ag. Oz.	Fe %	CaO%	SiO_2 %
172258	47.9305	1.95	0.05	0.20	15.8	15.1	50.0
83285	57.122	1.95	0.05	0.20	15.7	15.2	52.2
173211	48.8715	2.00	0.06	0.40	15.8	15.8	51.2
81547 & 172130	95.065	2.10	0.06	0.40	14.3	14.8	51.0
174267	56.064	2.02	0.05	0.20	13.66	15.4	52.00
82490	48.80	1.74	0.04	0.20	16.4	14.6	48.6
83088 & 83087	102.2965	1.75	0.05	0.10	17.3	15.6	48.6
70011	90.922	1.73	0.05	0.10	16.3	15.1	49.2
85669	51.5285	1.60	0.05	0.20	14.4	15.6	51.0
81121 & 172698	101.0895	1.38	0.04	0.10	13.5	14.3	54.8
83942) 85638) 173584)	157.505	1.63	0.06	0.60	14.3	16.5	52.6
82240 & 172950	101.079	1.92	0.04	0.20	14.8	18.3	49.4
84578 & 173900	90.543	1.61	0.04	0.20	14.7	16.2	52.0
172783	43.9805	9.38	0.04	0.20	12.0	15.0	38.4
171804	42.6025	11.15	0.03	0.10	11.2	14.0	39.0
82152	38.053	11.48	0.06	0.40	9.8	14.2	39.2
83717	30.978	9.17	0.02	0.40	11.8	15.2	38.0
83747	43.248	9.78	0.03	0.50	10.8	14.2	40.0

173707	52.0675	8.52	0.02	0.30	12.4	16.9	37.4
172808	53.0185	8.80	0.02	0.50	12.2	16.2	39.2
84442	52.689	7.65	0.02	0.20	12.6	17.5	37.4
83373	49.4525	7.15	0.02	0.20	12.4	17.4	39.8

YUMA COPPER MINE

CARLOAD SHIPMENTS TO CLARKDALE: Lot Numbers in Circles

Shippers Lot No.	Dry Tons	Cu.%	Au. Oz.	Ag. Oz.	Fe. %	CaO.%	S_1O_2%
5	58.152	1.35	0.025	0.36	13.0	20.6	28.5
6	54.137	1.50	0.04	0.27	18.1	10.5	45.4
7	104.740	1.72	0.01	0.29	18.1	20.8	36.5
8	106.639	2.03	0.02	0.25	16.4	19.3	38.0
9	97.389	2.52	0.02	0.36	18.3	17.0	35.3
10	99.622	1.72	0.02	0.27	17.3	15.0	38.3
11	107.859	1.33	0.03	0.25	21.3	17.2	35.1
12	96.597	2.53	0.02	0.28	17.4	14.8	39.5
13	103.869	2.67	0.02	0.22	15.5	14.6	37.6
14	100.612	1.90	0.01	0.22	15.3	14.6	38.3
15	99.943	1.34	0.03	0.27	15.0	15.2	38.4
16	209.058	1.37	0.03	0.22	15.7	17.9	38.0
17	107.436	1.19	0.02	0.19	13.0	14.8	40.5
18	103.692	.96	0.02	0.18	12.7	15.3	41.7
19	108.464	1.37	0.02	0.20	13.5	16.1	39.0
20	105.834	1.28	0.02	0.18	13.6	18.1	40.0
21	109.167	1.06	0.03	0.16	13.0	18.3	39.0
22	104.584	1.15	0.02	0.21	27.7	12.9	32.1
23	103.138	1.27	0.03	0.22	26.7	12.9	32.9
24	108.088	1.31	0.02	0.25	22.5	17.0	36.2
25	98.697	2.90	0.02	0.25	13.0	13.4	40.7
26	55.981	4.30	0.03	0.22	14.2	14.5	41.2
27	61.278	4.54	0.03	0.25	15.3	16.5	40.2
28	60.393	3.93	0.03	0.28	17.9	17.4	39.6
29	112.886	1.55	0.02	0.23	18.4	20.4	35.5
30	47.785	2.24	0.02	0.28	18.1	18.8	35.9
31	105.761	1.95	0.02	0.29	17.5	18.6	36.4
32	58.621	3.10	0.02	0.30	17.4	17.6	37.8
33	54.662	2.80	0.03	0.29	17.4	15.1	40.5
34	94.007	2.46	0.03	0.31	17.8	15.4	41.5
35	91.227	2.18	0.04	0.33	18.1	13.9	40.6
36	110.835	1.45	0.02	0.25	21.7	16.0	37.3
37	90.225	1.48	0.03	0.27	17.8	16.9	43.5
38	98.885	1.52	0.025	0.25	18.4	17.1	40.7
39	102.893	1.14	0.02	0.25	17.6	19.6	37.5
40	100.739	1.23	0.028	0.24	15.9	17.6	40.8
41	155.651	1.29	0.027	0.24	14.8	19.3	37.2
42	104.872	1.37	0.035	0.27	13.8	14.1	37.2
43	53.591	1.39	0.042	0.25	15.5	16.9	38.0
44	104.273	1.58	0.028	0.29	16.6	16.1	43.7
45	98.161	1.64	0.03	0.28	15.0	17.7	43.0
46	51.453	1.61	0.03	0.28	16.4	17.9	43.7
47	148.902	1.71	0.03	0.29	15.3	17.1	41.0
48	95.763	1.77	0.03	0.30	15.3	14.5	44.1
49	97.149	1.76	0.03	0.29	17.0	15.8	47.8
50	97.723	1.77	0.032	0.31	16.3	16.2	43.3
51	104.405	1.85	0.03	0.30	15.9	16.6	45.2
52	100.109	1.70	0.03	0.30	16.1	17.9	38.6
53	97.931	1.74	0.032	0.29	17.0	16.3	41.3

54	102.584	1.71	0.04	0.29	15.1	16.3	40.8
55	106.811	1.71	0.038	0.31	16.9	16.6	43.2
56	99.672	1.64	0.03	0.27	16.1	17.3	39.9
57	100.784	1.41	0.03	0.26	18.8	17.0	37.6
58	104.613	1.78	0.035	0.30	18.3	14.9	42.4
59	118.166	1.53	0.032	0.26	18.3	16.5	42.8
60	117.157	1.41	0.035	0.26	20.1	15.3	39.4
61	115.031	1.62	0.03	0.37	19.5	15.0	39.6
62	120.127	1.45	0.03	0.26	19.5	14.0	41.9
63	117.810	1.46	0.033	0.29	19.3	14.8	40.0
64	116.721	1.37	0.032	0.24	19.0	16.0	40.5
65	241.260	1.31	0.028	0.23	20.4	14.8	37.3
66	36.659	2.06	0.028	0.39	18.3	14.0	42.3
67	57.296	1.36	0.025	0.28	18.2	14.7	41.2
68	46.997	5.07	0.01	0.16	15.0	18.3	37.4 (Ox.)
69	45.415	2.12	0.015	0.25	17.0	18.2	41.1
70	21.536	8.08	0.005	0.10	11.9	16.2	41.3 (Ox.)

Weighted Average 1.706%. Lots No. 68 and 70 omitted.

YUMA COPPER MINE

CARLOAD SHIPMENTS TO MAGMA SMELTER: Sulphide Ores: Car Numbers Noted on Map.

Car Number	Dry Tons	Cu.%	Au.Oz	Ag. Oz.	Fe %	CaO%	SiO_2 %
172258	47.9305	1.95	0.05	0.20	15.8	15.1	50.0
83285	57.122	1.95	0.05	0.20	15.7	15.2	52.2
173211	48.8715	2.00	0.06	0.40	15.8	15.8	51.2
81547 & 172130	95.065	2.10	0.06	0.40	14.3	14.8	51.0
174267	56.064	2.02	0.05	0.20	13.66	15.4	52.00
82490	48.80	1.74	0.04	0.20	16.4	14.6	48.6
83088 & 83087	102.2965	1.75	0.05	0.10	17.3	15.6	48.6
70011	90.922	1.73	0.05	0.10	16.3	15.1	49.2
85669	51.5285	1.60	0.05	0.20	14.4	15.6	51.0
81121 & 172698	101.0895	1.38	0.04	0.10	13.5	14.3	54.8
83942, 85638, 173584	157.505	1.63	0.06	0.60	14.3	16.5	52.6
82240 & 172950	101.079	1.92	0.04	0.20	14.8	18.3	49.4
84578 & 173900	90.543	1.61	0.04	0.20	14.7	16.2	52.0
172783	43.9805	9.38	0.04	0.20	12.0	15.0	38.4
171804	42.6025	11.15	0.03	0.10	11.2	14.0	39.0
82152	38.053	11.48	0.06	0.40	9.8	14.2	39.2
83717	30.978	9.17	0.02	0.40	11.8	15.2	38.0
83747	43.248	9.78	0.03	0.50	10.8	14.2	40.0

173707	52.0675	8.52	0.02	0.30	12.4	16.9	37.4
172808	53.0185	8.80	0.02	0.50	12.2	16.2	39.2
84442	52.689	7.65	0.02	0.20	12.6	17.5	37.4
83373	49.4525	7.15	0.02	0.20	12.4	17.4	39.8

April 26, 1949

Mr. J. Paul Mooseau
P. O. Box 2022
Phoenix, Arizona

Dear Mr. Mooseau:

Mr. Hope and I have carefully considered the merits of the so-called Yuma copper mine since our visit there on April 14th, and we have discussed the matter with our people in Nevada. Although the ground possesses a number of promising points, this deposit and its general relations do not fulfill the requirements we have set up for properties that we might want to actively explore. Consequently, Consolidated Coppermines Corporation finds itself unable to consider this proposition further.

We wish to thank you for drawing our attention to the property and to express our appreciation for courtesies extended on our recent visit.

Yours very truly,

cc: Mr. A. J. O'Connor
Mr. John Hope, Jr.


SULPHIDE LEVEL
Drill Hole 62°
Hanging Wall at 56'
Staped cars averaged 2% Cu
Dike
Magnetic North
True N
ADIT PORTAL
8 TON LOT TO HERR-WICKENBURG
H-3054
Cu Co3 Stope
FROM STOPE & DRIFT
CARLOAD SHIPMENTS TO MAGMA
BY CAR NUMBERS
CARLOAD SHIPMENT MADE FROM
AREA INDICATED BY
FROM STOPE
CARLOAD SHIPMENTS TO MAGMA
CAR NUMBERS
172258 2.0
83285 2.0
173211 2.0
81547 2.1
172130 2.1
174267 2.0
Stope
FROM STOPE
CARLOAD SHIPMENTS TO MAGMA
CAR NUMBERS
1.7 82490 83942 1.6
1.8 83087 85638 1.6
83088 173584 1.6
1.7 70011 84578 1.6
1.6 85669 173900 1.6
1.4 81121 82240 1.9
1.4 172698 172950 1.9
Dikes of Diabase
Metamorph Shales
Crystalline Lime(slate)
Mineralized Sand
YUMA COPPER
TRACING FROM BRUNTON SURVEY
SHOWING SAMPLES TAKEN BY L.L. FARNHAM
CARLOAD SHIPMENT LOCATIONS BY GEORGE SPRY
SCALE 1" = 20 ft.
COORDINATES SPACED 100 feet
PENNEBAKER, E.N. COLLECTION