

NOV 4 1963

KERR-ADDISON GOLD MINES LIMITED

(FOR INTER-OFFICE USE ONLY)

92I
826901

✓	W.S.R.	✓
	K.C.G.	
	G.H.M.	
	R.D.S.	
	S.C.B.	
	P.M.K.	✓
	C.K.W.	
	F.O.C.	
	H.A.P.	
	I.B.S.	
	G.P.R.	
	E.L.D.	
	J.P.	
	E.C.J.	
	D.V.B.	

To..... P.M. KAVANAGH From..... W.M. SIROLA

Subject..... TROJAN PROPERTY - HIGHLAND VALLEY, B.C. (92-I-11) Date..... October 31st, 1963.....

We had a telephone call on October 28th. from Ralph Rooney who is connected with the above property. You will recall that he is the one who talked to W.S. Row previously about the widespread copper values in the new crosscut. Rooney now contends that 700 ft. of this crosscut ran 0.98 % copper. This is not a little surprising to me since the crosscut was only intended to be 500 ft. long. In any event, Rooney said that he would again contact W.S. Row by telephone to thank him for recommending a superintendent for the property and further to advise that an agreement would shortly be made between, South Seas Mining, who now control Trojan, and, The Homestake Mining Co. He again offered us the opportunity of visiting the property at any time we wish to do so. Again, this is a little surprising in view of the supposedly imminent deal with Homestake.

Do you know if Rooney actually did phone W.S. Row ?

no - wsr

W.M. Sirola
William M. Sirola.

WMS/iw.

REFERENCE MEMORANDUM

DATE

Sept. 23 1963

THE ATTACHED PAPERS ARE REFERRED

TO *Mr. W.S. Raw*

BY *PMK*

PLEASE REPLY DIRECT PLEASE HANDLE

PLEASE SEE ME RE THIS YOUR COMMENTS

FOR YOUR INFORMATION FOR APPROVAL

PLEASE RETAIN PLEASE RETURN

Attached is Sicola's memorandum based on his examination of the Trojan property made at our request. He merely recommends that progress in the X-cut be watched. PMK.

92#

P.M.K

Re. Trojan Property,
Highland Valley, B.C. (92-I-11)

Saw Spud Huestis
at Halifax. In
conversations he said
in effect that he hopes
Trojan do not make
a go of it as he
wants to acquire
it.

WSF.
Sept 23/63

SEP 19 1963

92 #

KERR-ADDISON GOLD MINES LIMITED

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attach to previous
corr. Sept 63

To..... P.M. KAVANAGH From..... W.M. SIROLA

Subject..... TROJAN PROPERTY - HIGHLAND VALLEY (92-I-11) Date..... September 18th. 1963.....

<input checked="" type="checkbox"/>	W.S.R.	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	K.C.G.	
	G.H.M.	
	R.D.S.	
	B.C.B.	
<input checked="" type="checkbox"/>	P.M.K.	<input checked="" type="checkbox"/>
	C.M.W.	<input checked="" type="checkbox"/>
	E.O.C.	
	H.A.P.	
	J.B.S.	
	G.P.R.	
	E.L.D.	
	J.H.B.	
	<u>E.C.J.</u>	
	D.V.B.	

At your request I visited this property with George Conn whose brother is the Secretary of South Seas Mining Limited who are doing the current underground development.

The Trojan Property is located 5 miles north of Bethlehem Copper in the Highland Valley region of B.C. Bethlehem Copper is 30 miles south-east of Ashcroft which is located on the Canadian Pacific Railway, 203 miles north-east of Vancouver.

During 1956 and 1957, Trojan Consolidated completed 25,000 ft. of surface diamond drilling. From this drilling, Henry Hill & Associates concluded that there were two ore zones as follows :

	<u>Tons per Vertical Foot</u>	<u>% Copper</u>
Main Zone	2,170	1.28
East Zone	3,000	.68

On the basis of these tonnages, Hill recommended underground work to further explore and bulk sample these zones. The underground work was confined to the west zone and consisted of a shaft 165 ft. deep and the level at the 150 ft. horizon from which 880 ft. of lateral development was done. This development outlined a crudely elliptical zone, 220 ft. x 120 ft. in plan, with an average grade of 1.87 % copper at that horizon.

In 1959, Newmont optioned the property, drilled three underground holes and dropped the option. In 1960 Rio Tinto optioned and carried out 16 miles of I.P. work. This work outlined the breccia pipe in which the two zones occur but did not add anything in the way of extension of mineralization. One anomaly, 4,200 ft. north-west of the shaft was drilled but Trojan has no record of the results.

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To.....From.....

Subject.....Date.....

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- 2 -

In 1961 Hill was again engaged and he gave the west zone a figure of 719,500 tons of 1.41 % Cu. Of this, Hill concluded that 427,300 tons could be mined at a profit by open pit to a vertical depth of 400 ft. Since that time, a programme of 16 underground drill holes, fanned upward from the 150 ft. level, has reduced the tonnage available for open pit to 278,910 tons of 1.41 %. This reduced tonnage meant larger strip ratios and Hill now concluded that the deposit is uneconomic from open pit standpoint.

The underground drilling averaged 1.36 % copper versus the 1.87 % copper obtained from bulk sampling on the 150 ft. level. On the basis of this discrepancy the South Seas Mining people have concluded that the east zone should be developed in the hope that it will upgrade by approximately 0.50 %. Consequently, they have begun to drive a crosscut from the west zone to the east zone at the 150 ft. level. At the time of my visit to the property, this crosscut had been advanced approximately 500 ft. and has 200 ft. to go to the east limit of the breccia pipe where the east zone is located. It is then planned to drift along the east zone and perhaps do some diamond drilling as well.

One erratically mineralized zone was found from 227 - 306 ft. in the crosscut. The average of the sampling done thus far in this interval, is 0.71 % copper. The zone appears to be controlled by a flat fault on the west side but I do not know what, if any, other controls exist. Within the 79 ft.

contd../ - 3 -

KERR-ADDISON GOLD MINES LIMITED

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To.....From.....

Subject.....Date.....

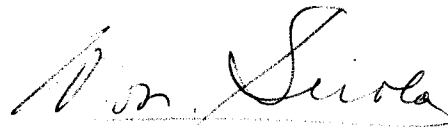
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- 3 -

zone just described, there is on 20 ft. section averaging 1.44 % copper. The material is difficult to sample because it occurs in erratic clots in the breccia and I have recommended to the operators that they institute muck or car sampling.

Conclusions :

I concur with Henry Hill that no portion of the breccia pipe is minable by open pit in the light of present knowledge. The tonnages and grades outlined thus far, are inadequate to support a profitable underground operation. However, the progress of the work in the east zone should be watched in the hope that the results prove to be better than can reasonably be expected at this time.



William M. Sirola.

WMS/iw.

Sept 9/63

Trojan Property, Bethlehem Copper Area

- Ralph Rooney phoned W.S.R. on Thurs. Sept. 5 asking if he knew of any available good mining engineer
- he went on to describe the Trojan property.
 - big open pit tonnage of 1% copper
 - 244' wide - 1550' long - 800' deep
 - there is a 11' zone
 - they drilled in between & got nothing but says that underground work found mineralization in the intervening ground

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J.L.B.	
E.B.	
D.V.B.	

- he gave us permission to visit the property & advised us to get in touch with a Mr. Cun in Van. at MW 12836.
- Mr. Row phoned me the above information at the Yellowknife Hotel early in morning of Fri. Sept. 6. & instructed me to have Bill carry out a complete examination.
- I phoned it to Sirola the same morning. He said he was quite aware of the property - a Breccia pipe - that it had been worked on by many outfits & was drilled like a Swiss Cheese. - Rio Tinto had the property I think he said.
- I instructed him to contact Cun & to follow out Mr. Row's instructions to examine the property.

Sirola reported by phone during the week of Sept. 9th that he had visited the property & found it not to be very attractive. He said he would write a report on his examination. P.M.K. Sept. 16/63

P.M.K.

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✓

INTER-OFFICE CORRESPONDENCE

92 I

FROM Rod Macrae

DATE Aug 9th, 1958

TO E. O. Chisholm

SUBJECT Your letter dated July 21st
re Trojan Consolidated Mines
Ltd.

MESSAGE

(TO BE COMPLETED IN TRIPLICATE)

Dear Ted:

The reply to your second last para. in your letter of July 21st slipped into our pending file without my replying to it.

Attached is a summary I did on the Trojan based on an examination of Henry Hill's two formal reports plus conversations with Hill. A sketch is also attached and since this is the file copy, please return same.

I think any report by Hill on this property is accurate enough with this exception: His estimate of the possibilities of extensions of ore zone never seem to be founded on the facts of the report. In the case of the Trojan, there is a very indication that the mineralized zone is a pipe and that there is nothing outside (latterly) the dimension tested on the 9850 level- which is the only development level. In fact, the helter-skelter drilling around this pipe or plug has the effect of cutting off any expansions.

I did not get underground on this one last spring since the operators at that time allowed the shaft to fill with water at Xmas and work was not resumed in the spring as planned.

The opinion I have formed on Trojan is this: there is indicated by drilling from surface and drifting from one level approx 150 feet below surface, an elliptical shaped zone of copper mineralization -in plan- that has almost a vertical plunge. This zone is 200 ft length and 100 ft in width. The only accurate sampling done was that taken at the time of mining plus some check sampling by Hill. Sampling on this one level, then, indicates a grade of between 1.83% and 2.03% Cu. The core was not sampled in the prior surface drilling programme because core recovery was very poor. Sludge samples were taken but in this area they have been proven on more than one occasion to be very unreliable.

This prior drilling from surface went to a vertical depth of 500 ft and did indicate that there was copper mineralization at that depth. It did not suggest the 'pipe' was getting larger in cross-section with depth. Underground work was extended in two directions from the shaft beyond the boundaries of the pipe and did not encounter comparable mineralization.

It is therefore Trojan is a small deposit with a mining grade between 1.5% and 1.75% Cu with reasonable possibility of finding similar deposits, which possibilities have not yet been investigated,

Regards,
Rod Macrae

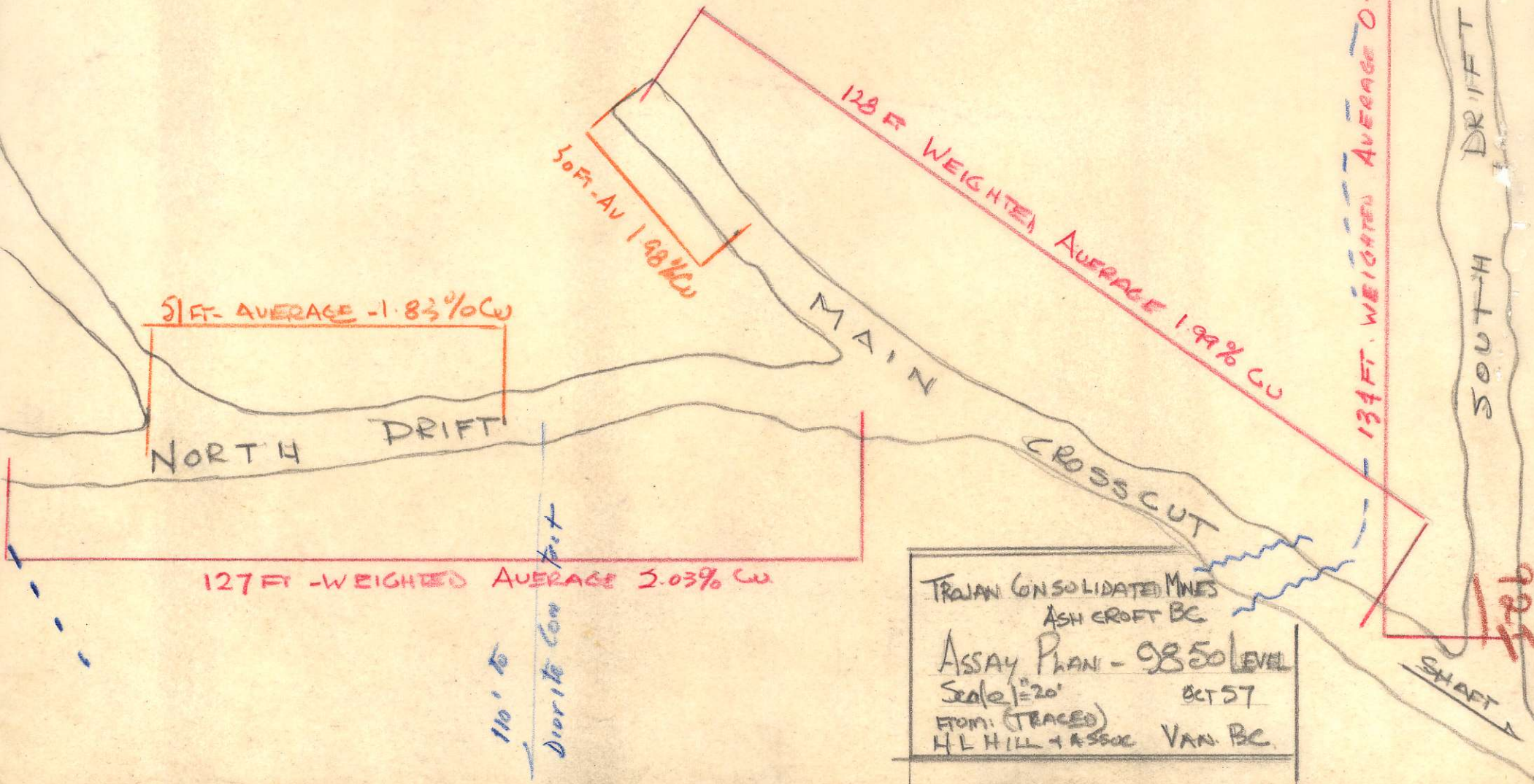
INSTRUCTIONS FOR USE OF THIS FORM

Form to be completed in triplicate by originator. Two copies - No. 1 and No. 2 - to be forwarded to addressee. Copy No. 3 to be retained in originator's file until reply received. Addressee to complete reply in duplicate on reverse side of sheets 1 and 2 and return No. 1 to originator. In following this procedure both parties have the complete message and reply on one sheet of paper.



NOTE: TROJAN ASSAYS
IN RED

NOTE: CONSOLIDATED
ASSAYS IN
ORANGE



51 FT - AVERAGE - 1.83% Cu

50 FT - AV 1.98% Cu

128 FT WEIGHTED AVERAGE 1.99% Cu

134 FT WEIGHTED AVERAGE 0.25% Cu

127 FT - WEIGHTED AVERAGE 2.03% Cu

110' to
Diorite Con Pit

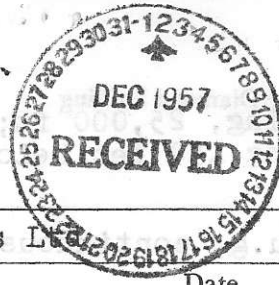
TROJAN CONSOLIDATED MINES
ASH CROFT BC
ASSAY PLAN - 9850 LEVEL
Scale 1" = 20' OCT 57
FROM: (TRACED)
H L HILL + ASSOC VAN. BC.

DRIFT
SOUTH DRIFT
SHAFT

128

PROPERTY INFORMATION FORM

92.I



92I

A	N
	W.S.R.
	R.J.B.
	E.O.C.
	H.A.P.
	R.D.S.
	B.C.S.
	G.P.R.
	E.L.D.
	J.I.K.
	E.C.J.

Date Nov 25th, 1957

Name of Property Trojan Consolidated Mines Ltd.

Presented by (with address)
N/A

Date

Location In Highland Valley 30 miles S.E Ashcroft on CPR. Kamloops M.D.

Access From Ashcroft B.C. via allweather rd for 30 miles to 5500 ft Elev.

Claims 110 claims and fractions-estimated 4300 acres-all adjoining, an amalgamation of Trojan Expl; Jackson Mines; and Trisides Mining Corp claims.

Ownership Trojan Consolidated Mines Ltd,

Summary of Outstanding Features See attached notes. Sludge sample assays indicated-Jan 9th Main Zone: 2170 t.per V.ft 1.28% CU; East Zone 3000t.per V.ft 0.68% CU; Oct 15th-Main Zone- U.G development indicated on 9859 level (150' below surface) 2.01% CU. 40 surface DDH; 160 ft vertical shaft completed; 500 ft u.g drifting & crosscutting in 1956 and 1957.

Opinions, Suggestions or Recommendations of Present Holder continued underground development of north zone

Option Terms Npt discussed

Information is Based on Examination of two reports dated Jan 9th;/ Oct 15th/ 57 by Henry Hill & Assoc, only

Nature of Deposit Breccia zone between a porphyry and a quartz diorite mapped by CGS as Guichon Ck quartz Diorite of Lower Jurrassic Age.

Mineralization Host rock- crushed and chloritized breccia. Chalcopyrite disseminated thru breccia and occurs, also as narrow bands in breccia close to quartz diorite contact. Chalcopyrite and some minor disseminated bands of chelcocite near the quartz-diorite contact

Widths and Values Surface drilling indicated in six out of 15 holes a mineralized zone 130ft by 200 ft over a vertical range of 500 ft av. 1.28% Cu in main zone. East zone- 4 intersections indicated 60 by 600 ft length 0.69% Cu. U.G dev of 9859 level, plus results of drilling indicates 1500-2000 t/vert ft of 1.80 -2.00% Cu. some possibility of extension North.

Strike and Dip N/S approx.: vertical

Country Rock Quartz diorite- non mineralized: breccia zone with q.d and porphyry

Present Known Extent and Possible Extensions indicated 200 feet by 80 feet by drifting on 9859 level DDH 17 on strike to north 0.40-0.56% Cu over vertical range of 560 ft. Assays are sludge, no core recovered. recent drifting this area indicated better than 1% cu according to reports. If values in this area can be contradicted by u.g development, favorable breccia extends for additional 800 ft.

Limiting Features grade of less than 2% Cu. Of 8 surface DDHs drilled to vert depth of 500 ft, only assayed over 1% Cu. All assays were sludge, therefore their accuracy is questionable.

Workings, Kind, Amount, Location and/or Diamond Drilling

Surface deep drilling, 25,000 ft; Vert shaft, 161 ft; 500 ft drifting and x-cutting 150 feet below surface, all on Billy #3, #4, #5, and #6 M.C.S

Lengths and Frequency of Exposures

Surface not known, u.g. continuous exposures up to 200 feet length.

Known Commercial Sections

one section indicated by u.g. drifting and surface drilling.

Known Non-Commercial Sections

Not known, except vicinity of DDH 17.

Number, Dimensions and Grade of Ore Shoots Indicated

One ore shoot, 80 by 200 feet, grading between 1.8 and 2.0% Cu.

Possibilities of Developing Ore If present drifting programme around DDH 17 opens up better than 1.5% Cu, possibilities of developing 10,000 ton per vert foot are good.

Past Production, If Any Nil.

Dividends, If Any

Nil

Other Significant Features in History of Property

Owners reported to have spent \$ 800,000 on this property; also reported to be seeking a deal to secure additional funds.

Previous Examinations Future examination planned.

Reports, Plans or Other Sources of Information

Maps and reports (2) by Henry Hill, consulting Engineer, dated Jan 9- and Oct 15/57.

Reasons for Property Lying Idle Property is under development at present.

Relation to or Comparison with Other Properties in the District

Similar host rock to Bethlehem Copper some 5 miles south. Indicated tonnage is reported smaller than latter; grade is reported double latter.

New Development (Since Last Examination)

N/A

Other Remarks

Surface drilling produced sludge only; assays ranged from 0.40-1.11% Cu in deeper holes; U/g programme channel-sampled, car sampled and check sampled. Assays average 1.8-2.0% Cu Possible 100 ft wide ore-zone following q.d contact for 1000 to 1500 feet.

Examining Engineer

Note : This is summary of available information, prior to examination.

Date of Examination