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MEMORANDUM

TORONTO June 17, 1957

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

TO: DIRECTORS, TRIANA EXPLORATION LIMITED

FROM: MR. G. M. RADISICS

SUBJECT: GRANDUC MINES LIMITED



I have been able to obtain additional information concerning this interesting operation in Northwestern British Columbia. The water trouble which this Company encountered in their shaft sinking operations has slowed down the progress of this work considerably since the water is flowing in at approximately 250 gallons per minute. Grouting which has been used to stem this water flow has only been partially successful and the shaft is timbered from top to bottom. It is the management's intention to drift approximately 1000 feet from the bottom of the present shaft, which is some 600 feet from the collar, and as drifting goes on vertical diamond drill holes will be put down at regular intervals to about 1200 feet in depth. Should these holes encounter the expected ore zones it is the management's intention to continue sinking the shaft and drift out the ore.

GMR:vk

- c.c. Mr. W. S. Row
- Mr. R. V. Porritt
- Mr. J. W. Baker
- Dr. P. Price
- Mr. G. C. Andrew

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103 P

# INTER-OFFICE CORRESPONDENCE

FROM G. Matheson  
TO Prospectors Airways

DATE 24 Sept 57  
SUBJECT Granduc Mines Ltd.



| A                                   | N                                   |
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| W.S.R.                              |                                     |
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| J.I.K.                              |                                     |
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| E.C.J.                              |                                     |

## MESSAGE

(TO BE COMPLETED IN TRIPLICATE)

The guest speaker at the local branch meeting of the CIMM held in Newcastle on the 19 Sept was a Mr. Fowler, one of the vendors of a group of claims now part of the Granduc property in the Fort Stewart area B.C. His subject was "Recent Developments in B.C." with special emphasis on the Granduc Deposit.

The Granduc Mine lies approx 20 miles north east of Fort Stewart in the mountains.

One of the tough problems in opening up the discovery is that of transportation to and from the mine. The most recent solution consists of 6 miles of tunnelling plus 125 miles of road.

The dimensions of the ore indicated on the adit level were given as : length-3500' , width 135' , grade 1.64% copper. It was mentioned that the ore occurs in a wide shear zone that is still open in all directions and that possibilities of finding further lenses along the strike are good. Apparently copper stains have been noted along the strike on the far side of the mountain. Drilling was reported to have indicated a similar width and grade 750' above and 1200' below the adit. Ore reserves are reported in excess of 25 million tons. However persistence of the potential as indicated at the adit level, to 125' above and below the limits indicated in the drilling, would show a potential of 100 million tns. This has been described as an easy one to concentrate and ~~and~~ the concentrate an easy one to smelt.

A shaft has been sunk from the adit level and crosscutting is underway on a level established 600' below the collar. Some ore news is expected within a month. The current development program is aimed at raising the ore reserves to 50 million tons . It is expected that this can be accomplished within a year. When this ore reserve mark has been reached the plans call for a plant to mine and concentrate 10,000 tons of ore daily plus smelting facilities to handle the concentrates. It is estimated that the cost will approximate 50 million dollars. They plan on raising these funds through a bond issue and bank loans without further increase in capitalization.

Heavy water flow was encountered in the shaft sinking causing considerable delay and a change in plan to stop short of the original proposed 1250' depth. The main ore zone is in a major shear zone that also makes considerable water. Hence there seems to be a water problem as well as a transportation problem.

A number of coloured slides were shown to emphasize the transport problems.

Other developments mentioned were those of Cassiar Asbestos and Bethlehem Copper Corp. Cassiar are currently carrying out a program to expand production. Bethlehem's Highland Valley property , under option to A.S.&R., is being drilled in an effort to add to and increase the grade of large tonnage low grade copper deposits.

### 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.

MEMORANDUM

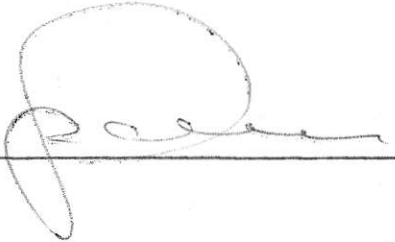
~~103A~~ 104B  
103P

TORONTO February 17th, 1958

TO: DIRECTORS, TRIANA EXPLORATION LIMITED  
FROM: MR. G. M. RADISICS  
SUBJECT: GRANDUC MINES LIMITED



I understand from well informed sources that Newmont Mining Corporation have decided to suspend operations at this property for the time being and keep the property inactive until more favourable copper prices prevail.

  
\_\_\_\_\_

| A |        | N |
|---|--------|---|
|   | W.S.R. | ✓ |
|   | R.J.B. |   |
|   | E.C.C. |   |
|   | H.A.P. |   |
|   | R.D.S. |   |
|   | E.C.B. |   |
|   | G.F.R. |   |
|   | E.L.D. |   |
|   | J.H.K. |   |
|   | E.C.J. |   |

GMR:vk

- c.c. Mr. W. S. Row
- Mr. R. V. Porritt
- Mr. J. W. Baker
- Dr. P. Price
- Mr. G. C. Andrew

104/B.

# KERR-ADDISON GOLD MINES LIMITED

(FOR INTER-OFFICE USE ONLY)

REC'D OCT 12 1961

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

To..... P. M. KAVANAGH..... From..... WILLIAM M. SIROLA.....

Subject..... GRANDUC PROPERTY, SKEENA MINING DIVISION, 104-B..... Date..... October 10th, 1961.....

There is a great deal of talk in local mining circles to the effect that the Granduc property will be placed in production. The justification for this belief arises from the fact that Newmont bought control of the property from Granby in the early part of the year and John McMynn, who until recently was Manager of Bralorne, is now on the Newmont staff. Also, Newmont has acquired additional property in the vicinity of Tide Lake and there is speculation that the portal of the haulage tunnel would be located somewhere in this vicinity. In addition, it is entirely possible that drilling results during the past season have provided more ore, and perhaps ore of a better grade.

It is of particular interest to me that this deposit contains a very considerable amount of pyrrhotite. I do not know if the deposit is detectable by aero-magnetic means, but these are the things we will have to find out. As you know, the magnetic susceptibility of pyrrhotite is quite variable.

*Regards.*  
*WMS*

WMS:rl

*attach to corresp  
dated Oct 61.*

**KERR-ADDISON GOLD MINES LIMITED**

(FOR INTER-OFFICE USE ONLY)

*wes R ✓*  
DEC 24 1962

104/B

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

Subject..... GRANDUC MINES..... Date..... December 19th, 1962.....

I talked to Don Cannon today but am not a great deal wiser as a result. He did say that the work on the 2475' level was behind schedule because of the water problem which has since been corrected. Consequently, my statement in paragraph 3 of my December 18th memo, which states that the 2475' level has been advanced 1750', is inaccurate and I do not know it's exact position.

Cannon did say that the target date for completion of this work was sometime in February. He could not divulge what the method would be for getting the concentrates to the Coast.

Since most of the recent drilling has been done from the 2475' level, this would appear to be the area of greatest interest. I do think that my information about higher grades on this level is quite good.

*RL.*

*per* William M. Sirola.

WMS:rl

DEC 20 1962

104 B

# KERR-ADDISON GOLD MINES LIMITED

(FOR INTER-OFFICE USE ONLY)

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| W.S.H. | <input checked="" type="checkbox"/> |
| K.C.G. | <input type="checkbox"/>            |
| G.H.M. | <input type="checkbox"/>            |
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| C.V.V. | <input type="checkbox"/>            |
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| J.I.B. | <input type="checkbox"/>            |
| E.C.J. | <input type="checkbox"/>            |
| D.V.B. | <input type="checkbox"/>            |

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

Subject..... GRANDUC MINES..... Date..... December 18th, 1962.....

Since your telephone call this afternoon I have been able to glean the following data:

Cannon and Hunt have been on the property and are due back tonight.

Higher grades of copper mineralization have been found on the bottom, or 2475' level which is now 1750' ahead of it's position as shown on the back page of the 1961 Annual Report. I understand that the grades on this level are around 3% - 4% copper across 20', or better. Apparently, a long down hole was put out from the 2475' level and the results of this are apparently most encouraging.

A Japanese company has been doing a lot of work on the possibilities of the iron-ore deposit, but this has been done in New York and we do not know too much about the outcome.

The inflow of water on the 2475' level has been stopped.

Apparently, the stock responded to some large buying orders which came in yesterday and it is selling at \$3.20 today.

The above information, together with the enclosed George Cross News Letter of November 8th, may be of some help in determining the potential value of this project. I will keep checking with local sources to see what additional information might be available.

I think that the projected cash flow shown on the George Cross News Letter is decidedly optimistic, but may not be if the grade on the bottom level is appreciably better than that of the overall reserve.

It would certainly appear that serious consideration should be given to investment in Granduc shares.

RS

per William M. Sirola.

Encls.  
WMS:rl

# KERR-ADDISON GOLD MINES LIMITED

(FOR INTER-OFFICE USE ONLY)

MAR 18 1963  
attach to corresp  
Dec 1962  
104 B

|   |                 |   |
|---|-----------------|---|
| ✓ | W.S.R.          | ✓ |
| ✓ | K.C.G.          | ✓ |
|   | G.M.            |   |
|   | R.D.S.          |   |
|   | D.P.R.          |   |
|   | <del>R.M.</del> |   |
|   | F.O.C.          |   |
|   | H.A.P.          |   |
|   | L.B.S.          |   |
|   | G.P.R.          |   |
|   | E.L.D.          |   |
|   | M.B.            |   |
|   | E.C.J.          |   |
|   | D.V.B.          |   |

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

Subject..... GRANDUC PROPERTY (104-B)..... Date..... March 14th, 1963.....

Enclosed is a clipping from this morning's "Province" newspaper, which is self-explanatory. I understand that McEachren is doing the examination.

*W. M. Sirola*  
William M. Sirola.

**Cominco interested in Granduc?**

Ore reserves of Granduc Mines Ltd. are reported to be undergoing intense study by Consolidated Mining & Smelting Co. of Canada Ltd. It is believed Cominco engineers are presently at the Granduc property in northern B.C. There is said to be a possibility that Cominco will take a financial interest in developing Granduc as a production venture. Cominco and Granduc spokesmen would neither confirm nor deny the reports when questioned Wednesday. At last report, Granduc had proven all of the tested sections of 15.9 million tons of inferred ore at 1.97 per cent copper in addition to 14 million tons previously proven at 2.09 per cent.

This was indicated a few days ago when Granduc president John Drybrough said the 1962 annual report would be delayed until April because of water trouble on the 2,475-foot level (water problems have since been solved).

Mr. Drybrough said the results of the year's work were far up to expectations. Tests so far have been successful in proving the inferred 15.9 million tons by lateral work and diamond drilling. The tests began in October last year and will be completed in April. Granduc spokesman said...

Encl.  
WMS:rl

*of*

*104 B  
attach to cover p.  
of March 63*

*Granduc reserves*

## 2 U.S. Firms Lease Reserves Of Granduc Ore

© New York Times Service

NEW YORK — The American Smelting and Refining Co. announced yesterday that it had joined with a subsidiary of the Newmont Mining Corp. in leasing in equal shares the copper ore reserves of Granduc Mines Ltd., in British Columbia.

The lease is effective Oct. 1 subject to the approval of Granduc shareholders at a meeting set for Oct. 29.

The lessees are to proceed with the development and equipping of the mine for production at the rate of 7,000 tons of ore a day, and provide all financing for the operation. The reserves are estimated at 32,500,000 tons, averaging 1.93 per cent copper, the companies said.