

Minorex Consulting Ltd.

Geological Consultants and Mineral Exploration Management
2391 Bossert Avenue, Kamloops, B.C. V2B 4V6
Telephone (604) 376-8228

November 12, 1986

Mr. D. Copeland, P.Eng.
C.E.C. ENGINEERING LTD.
3626 West First Avenue
Vancouver, B.C. V6R 1H2

Dear Dave:

Re: Progress Report on Exploration of the TWIN Property,
Kamloops M.D., B.C. for November 1 to 12 1986

The existing survey grid on the TWIN property has been re-labelled southwest of S+50 N. and this grid has been extended to the western and southern boundaries of the property.


A total of 360 B-horizon soil samples have been collected over the area of the new control grid. No samples were collected where ESSO had sampled previously. These samples were shipped to Acme Analytical Laboratory in Vancouver on November 8th for 30-element I.C.P. analysis plus gold atomic absorption. The analytical and shipping costs are to be billed to C.E.C. This work will probably cost in the order of \$3,750 (including shipping).

The large-loop Genie EM surveying has been completed from grid coordinates L 78 E. to 64 E. and S+25 S. to S+50 N., inclusive. Approximately one-half of a loop remains to be surveyed to complete the Genie geophysical survey.

Prospecting and geological mapping has been completed over the new grid area, and the southeastern and northeastern portions of the property. All of the geological results have been reviewed in the field by the writer. It should be noted that most of the southern portion of the property is underlain by mafic flows and pyroclastics. Mapping results indicate that the volcanics are locally fractured and propylitically altered, but the highly altered 'Rea' chert horizon was not found exposed.

The field geophysical results have been profiled and sent to the ESSO geophysicist for interpretation.

According to Zig, ESSO will be charging a per diem rate of \$105.00 per in-use-day for the Genie equipment plus \$25.00 per in-use-day for the use of the second Genie receiver. Dwayne Windsor and I will determine the total field use days of the equipment and credit the rental cost to geophysical work on the Kamad B mineral claim, as discussed of November 12th.



A copy of the geological results will be sent to ESSO and Lincoln when the hand specimens of each mapped outcrop have been checked and documented. The soil geochemical results will be sent directly to Lincoln and a preliminary map will be drafted to aid interpretation.

Submitted by,

MINOREX CONSULTING LTD.

A handwritten signature in cursive script, reading "J. D. Blanchflower". The signature is written in dark ink and is positioned above the printed name.

J. D. Blanchflower
Consulting Geologist

Minorex Consulting Ltd.

Geological Consultants and Mineral Exploration Management
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November 3, 1986

Mr. D. Copeland, P.Eng.
C.E.C. ENGINEERING LTD.
3626 West First Avenue
Vancouver, B.C. V6A 1H2

Dear Dave:

**Re: Progress Report on Exploration of the TWIN Property,
Kamloops M.D., B.C. for October 1 to 31 1986**

During this period much of the preparatory survey work that was proposed for the Phase I programme on this property has been completed. The existing survey grid on the TWIN property has been relabelled southwest of 5+50 N. and the grid has been extended to the western and southern boundaries of the property. This work was undertaken and completed by Amex Exploration Services of Kamloops, B.C. The writer estimates that the linecutting and relabelling portion of their work should be approximately \$5,500. The surveying of the Bay mineral claim boundaries was apparently carried out at the request of ESSO and the costs of that work should be invoiced accordingly.

The soil geochemical sampling portion of the programme is completed. A total of 360 B-horizon soil samples have been collected over the area of the new control grid, no samples were collected where ESSO had sampled previously. These samples will be stored pending approval to have them analysed for Au, Ag, Cu, Pb, Zn, As, and Ba at Kamloops Research and Assay Laboratory Ltd. in Kamloops, or at a facility of your chose. These samples will not be shipped to any analytical laboratory until you are confident of a formal joint venture agreement and you give verbal approval.

Approximately 14 line-kilometres of large-loop Genie EM surveying has been completed from grid coordinates L 78 E. to 64 E. and 5+25 S. to 5+50 N., inclusive. The ESSO geophysicist has spent 2 days on site interpreting the geophysical data with Mr. D. Windsor. This work indicates that there are 7 anomalies within this area which are relatively weak. See attached preliminary comments by the geophysicist.

Prospecting and geological mapping has been completed over the new grid area, and the southeastern and northeastern portions of the property. Local chlorite, quartz and calcite alteration has been located at grid coordinates: L 52 E. by 0+25 S., L 60 E. by 5+00 S. (Silver Zone), L 59 E. by 9+00 S., and L. 62 E. by

4+20 S. Most of these areas are near roads and appear to have been sampled previously. None have visible base-metal mineralization. On a more positive note, at L 60 E. by S+00 S. medium-grained pyrite disseminations were observed in the buff-coloured volcanics on strike of the indicated Silver Zone, and at L 62 E. by 4+20 S. tuffaceous volcanics (lapilli tuff) host pyrite mineralization.

The writer will be checking the above preliminary results in the field this week and a preliminary map will be drafted for compilation with the forthcoming geochemical and geophysical results.

Please contact the writer when you are satisfied that the analysis of the soil geochemical samples can proceed.

Submitted by,

MINOREX CONSULTING LTD.



J. D. Blanchflower
Consulting Geologist

LINE 7300E

ANOMALY 1 @ 2055

AMPL:	3037	34.60	1.00
	1012	12.60	0.36
	337	2.10	0.06
	112	0.15	0.004

CONDUCTANCE = 3.5 ^{SIEMENS} MOHMS
POOR.

Conductor is part of a broad multiple conductor geological unit. It is a quite shallow depth and has a conductance of 3.55 - a poor conductor.

ANOMALY 2 @ 555

AMPL :	3037	14.60	1.00
	1012	7.25	0.50
	337	2.55	0.17
	112	0	-

CONDUCTANCE = 6.0 ^{SIEMENS} MOHMS

This anomaly is under cover. Its conductance is better than ANOMALY, though not markedly so. Conductor rated as weak to poor.

* ANOMALY 3 @ 165N

AMPL :	3037	- 13.4	1.00
	1012	- 10.7	0.80
	337	- 5.4	0.40
	112	- 1.0	0.07

CONDUCTANCE = 17 SIEMENS

The low amplitude suggests a buried conductor, with a conductance of 17 siemens. This indicate a good bedrock conductor. Only a one line anomaly.

* ANOMALY 4 @ 305N

<u>AMPL</u> :	3037	-	10.20	1.0	} CONDUCTANCE = 15 SIEMENS. estimate assumes a host. medium resistivity of 5000 Ω -m.
	1012	-	10.90	1.07	
	337	-	4.40	0.43	
	112	-	0.40	0.04	

This response indicates that the host medium has a lower resistivity than the rest of the line to the Tx loop. The amplitudes are weak, suggesting that the source of this anomaly is buried at roughly the same depth as ANOMALY 3 i.e. 25M+.

ANOMALY 5 @ 425N

Conductance estimate not possible. The response suggests a weak conductor through one which is interfered with by a recent conductive feature, probably conductive cover.

LINE 6600E

ANOMALY 6

A very weak, shallow conductor, probably a lithologic contact.

ANOMALY 7

<u>AMPL</u> :	3037:	24	1.00	} CONDUCTANCE = 7.5 SIEMENS
	1012:	13.6	0.57	
	337:	4.8	0.20	
	112:	-	-	

This is either a broad or a closely spaced multiple conductor. It appears shallow to 10/c.