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Review of Case*

**CANEX AERIAL EXPLORATION LTD.**

DIVISION OF CANADIAN EXPLORATION LIMITED

700 BARRARD BUILDING

VANCOUVER 5, B. C. CANADA

23 September, 1963.

Noranda Exploration Co. Ltd.,  
2256 West 12th Avenue,  
Vancouver 9, B.C.

Kerr-Addison Gold Mines Ltd.,  
409 Granville Street,  
Vancouver 2, B.C.

Attention: Mr. B.O. Brynolson

Attention: Mr. Wm. Siroia ✓

Homestake Mining Company,  
100 Bush Street,  
San Francisco, Calif. USA.

Silver Titan Mines Limited,  
Room 328 - 355 Burrard Street,  
Vancouver 1, B.C.

Attention: Mr. D.C. Sharpstone

Attention: Dr. A. Aho.

Gentlemen:

Re: Titan Project - Monthly Report  
Mid August - Mid September, 1963

Personnel Movements:

J.S. Brock, Junior Geologist, and D.J. Templeman-Kluit, Reconnaissance Geologist, left the project on September 5th and 12th respectively, to return to their studies at U.B.C.

H.W. Bail, Miner, was laid off on September 9th, following the decision of the Management Committee to discontinue work on the prospect adit on the Shanghai Group.

T.M. Skonseng, Prospector, and M.O. Hampton, Resident Geologist, left the project on September 14th to join the Dynasty Syndicate for a five day prospecting trip. They will rejoin the project upon their return.

Staff at the close of the fourth month of field operations consisted of Seymour, French and Foley.

Mr. Wm. Siroia and Dr. P. Kavanagh of Kerr-Addison Gold Mines Ltd. visited the project on August 29th and inspected the recent work over the Shanghai Group.

Dr. A.E. Aho visited the project on numerous occasions during the month to hold discussions with the field crew regarding plans for future work.

Work Done:

Galena Hill Properties:

The 71 soil samples taken from Area "A" where the strong resistivity high occurred were run with both the mercury detector and the cold extractable heavy metals method. The results were extremely interesting and are shown on the geochemical profile map which accompanies this report. An agreeably strong mercury anomaly appeared on line E8, the peak of which occurred approximately 30 feet north of the resistivity peak (which, in reality, occurred on line E7 + 50 as line E8 was the table line). The relative position of these two peaks is as one would expect in theory, the mercury peak occurring immediately above the point where the source of the mercury intersects the base of the recent cover of glacial debris, and the resistivity peak occurring over a point somewhat downdip (presuming a southeast-dipping structure). Another interesting feature is the lack of a mercury anomaly on line E6, a feature duplicated by the resistivity results along that line. The line of mercury peaks on lines E8, 10 and 12 trends N35°E, whereas the resistivity high has a N45°E trend.

The cold extractable heavy metal profiles bore relatively little resemblance to the mercury profiles. One highly anomalous sample occurred at the 7-00 stake on line E2 where there was some evidence of an intermittently flowing spring having brought considerable amounts of silt to surface. This may or may not be of significance, but must be taken at least as an encouraging sign of the presence of mineralization in the general area.

North Limb Properties:

Shanghai Group:

Work on the prospect adit ceased on September 7th after a total of 50 feet of underground workings had been completed. Considerable difficulties with cave-ins and water were encountered in the first 30 feet, but the going had improved markedly since that stage to the point where the daily advance was at least four feet (or one short set). The miners were both disappointed (as were all the field crew) that once again a programme had been stopped before achieving some definite results. The adit was following a steeply northwest-dipping, somewhat polished wall of quartzite when it was stopped. This wall could well be the north wall of the fault zone in towards which the adit was being driven. The average size of the angular unconsolidated material in the face had been reduced to nothing larger than two or three inches and was composed mainly of mica schist fragments. A wedge-shaped deposit of sand and silt-size material was seen to lie against the quartzite wall. The observations seem to point to the probability that bedrock in the base of this "canyon" is quite close at hand.

Assays of angular pieces of mineralized float taken from the adit have consistently returned silver-lead ratios of 1:1. The float material was composed of fault brecciated quartzite cemented by a mixture of sphalerite, galena and pyrite. While the silver-lead ratio is nothing outstanding, it might be well to remember that on Galena Hill silver values in the surfacemost eight feet of galena veins are almost without exception considerably lower than those found underground.

#### Ur Group:

The 113 soil samples taken from the Ur grid were run with the mercury detector. The mercury profiles with a map of the underlying soil types have been drafted and are currently being printed in Vancouver. The results are not very encouraging and do little to enhance the economic potential of this section of the group of claims. A complete discussion of the significance of these results will be made in an end-of-season report on geochemical prospecting which will be written early in October.

A small mercury anomaly was found in trenches 1 and 2 North over a topographic break which could mark a fault zone of some sort. Additional trenching is warranted next season.

#### Other Areas:

##### May Creek Area:

The lead mineralization found in this area has proved to be low in silver content. Suspected tin mineralization also returned very low assays. No further work seems called for.

##### Seattle Creek Area:

An entirely new discovery was made recently by John French on the west bank of Seattle Creek. Four claims, Jay-B nos. 1, 2, 3 and 4 have been staked over the showing. The showing consists of a talus accumulation of angular pieces of quartz-rich brecciated material containing scattered galena mineralization. No rock was found in place and no impression of strike or dip could therefore be gained. However, the showing occurs in a strategic position in the section, i.e., in the Upper Schist between a limestone marker horizon and the Keno Hill-type quartzites, a matter of several hundred feet above the quartzite contact. A bulldozer should, in two or three days, be able to expose sufficient bedrock to permit a better evaluation of the potential of this ground.

#### Reconnaissance Sampling Programme:

272 stream sediment samples have now been collected and analysed for cold extractable heavy metals. Several interesting anomalies have been discovered and will necessitate follow-up sampling next season. The strongest anomaly is traceable to the spring flowing from the channel of Poli Creek at a point on strike with the vein fault system over which the soil sampling grid was laid. The coverage of this reconnaissance stage

has been expanded somewhat, and it will be at least another week before the sampling of the remaining streams can be completed. A map of the results will be drafted and submitted as part of the geochemical prospecting report.

Future Plans:

Galena Hill Properties:

A detailed soil sampling grid over the anomalous area has been laid out and a start on the sampling will be made as soon as some additional staff become available. The sample interval will be stepped down to ten feet over portions of lines E7, 8 and 9. This new grid should be sufficient to pinpoint the source of the anomalous mercury values so that prospect shaft sinking through the overburden can be started early in October.

Reconnaissance Sampling Programme:

The programme is almost complete and a proper evaluation of the results can be made once all the analyses are in. French is at present investigating an anomaly in the Rodin Creek area where a strong northeast trending lineament can be observed on the aerial photographs.

Silver Titan Camp,  
Elsa, Y.T.

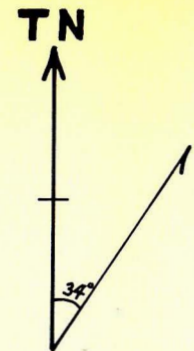
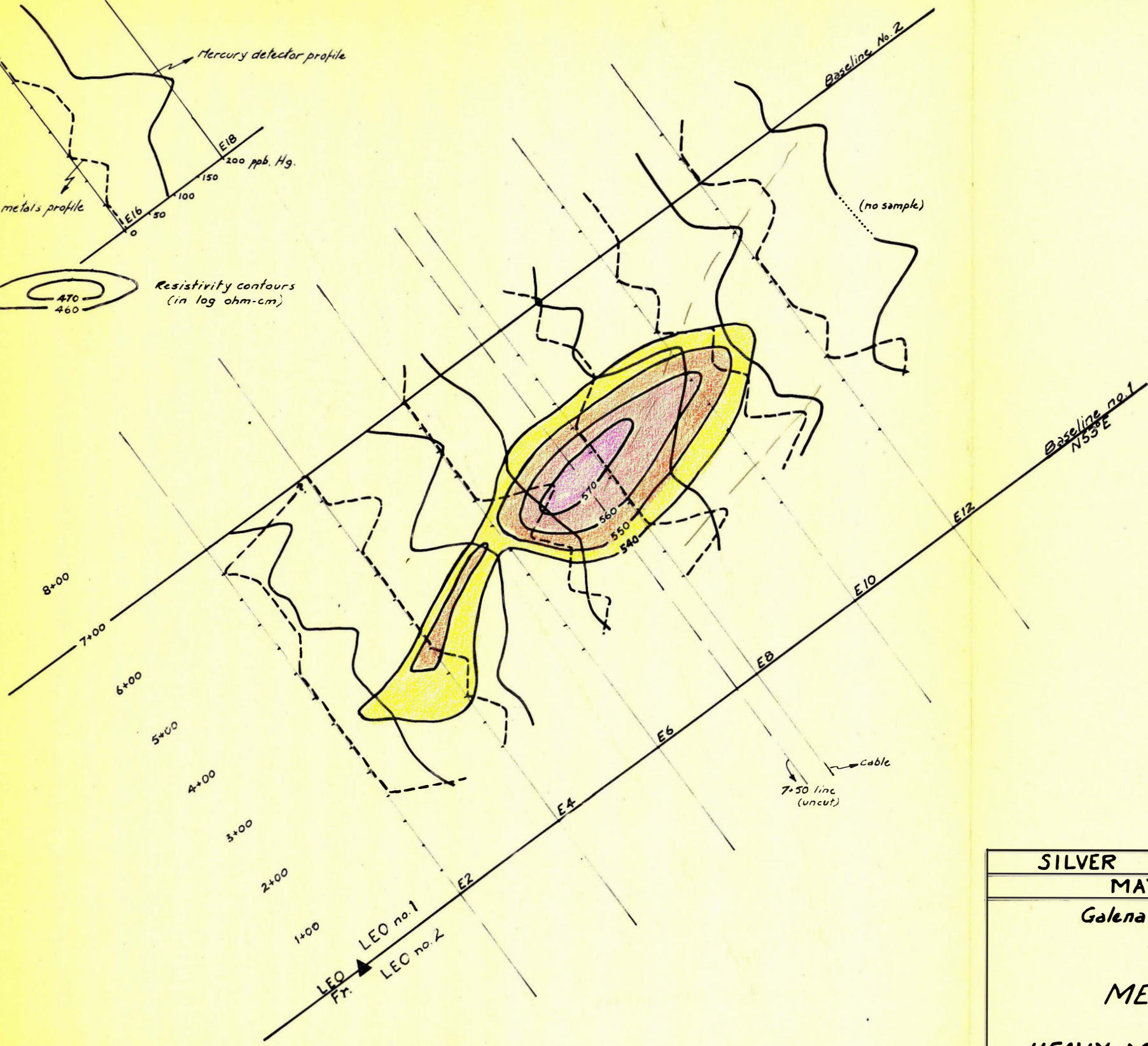
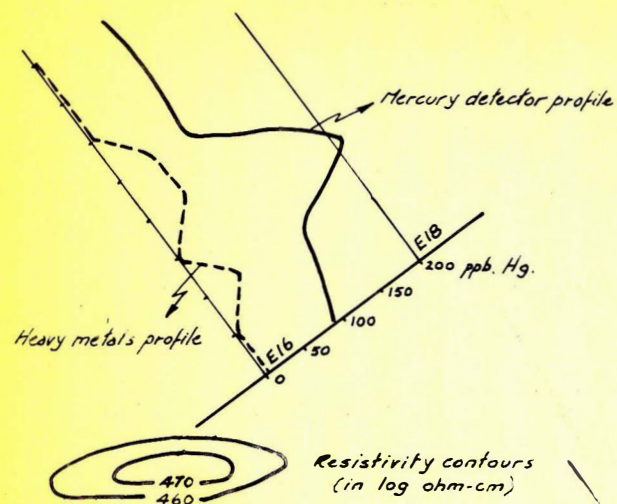
15 September, 1963.

(signed) David L. Seymour  
Project Manager.

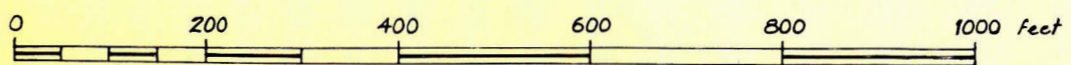
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cc: J.D. Little  
E.A. Scholz  
L. Adie  
D.L. Seymour,  
File.

**EXPLANATION**



**SCALE**  
1 inch to 200 feet



SILVER TITAN PROJECT	
MAYO YUKON	
Galena Hill Properties Area "A"	
MERCURY (TOTAL) AND HEAVY METAL (Cx) PROFILES (plotted over Resistivity "High")	
Sampled by	M.O. Hampton, J.S. Brock & D.L. Seymour
Analyses by	D.L. Seymour
Compiled by	D.L. Seymour
Drafted by	D.L. Seymour
Date	4 <sup>th</sup> September, 1963