

005665

TITAN PROJECT

Report on Progress of Exploration
by A. E. Aho

July 1, 1963

To: L. Adie - Canex Aerial Exploration
B. O. Brynelsen - Noranda Exploration Co. Ltd.
D. C. Sharpstone - Homestake Mining Company.
Wm. Sirola - Kerr Addison Gold Mines (2 copies)

Gentlemen:

Work on The Titan Project was started May 10th when I examined the Shanghai Property, and subsequent to this time bulldozer trenching has been done on the Shanghai and UR properties, semi-reconnaissance geologic mapping has been done, geochemical surveys have been started, a resistivity survey has been completed on the Galena Hill Property, a magnetometer survey is to be done, and reconnaissance to the west is being done. The work has been placed under supervision of David L. Seymour of Homestake Mining Company whose monthly report has already been received and should be referred to. My following comments will serve as an adjunct to his report.

GENERAL

Personnel on the project are competent and David Seymour in particular appears to be quick to grasp the situation and to carry out aggressive and efficient exploration with a good management attitude.

GALENA HILL (SEVENTH LIMB PROPERTIES) .
(See Seymour's report)

Resistivity work completed between June 12th and 20th should give better structural data than previously available on the Galena Hill property. In addition Dr. Richard Claus will have discussed problems of geochemical work on this property by the 29th.

A McPhar magnetometer on rental at \$8⁰⁰/_{da} has been shipped up ^{le soon for} from Frances River Syndicate - V 47 - and should be available for a survey to be done over the two selected areas for additional structural data.

Results of the above work and Dr. Clews' suggestions will guide the course of further work.

NORTHLMB PROPERTIES

Bulldozer trenching has been slowed by permafrost, but about twenty trenches have been stripped for thawing on the Shanghai property and about ten have been stripped on the UR property. Enclosed is a trench location plan for half of the trenches on the Shanghai property (see geology sketch of property for tie-in) the rest of the trenches are on other northeast vein faults to the southeast.

None of the trenches have yet been completed to bedrock, but stringers of good grade mineralization are ~~suggesting~~ being encountered in several places, suggesting that, with the strength and complexity of structures involved, well mineralized widths should exist in the main structures. Samples taken by me on June 17th were as follows:

Sample No.	Location and Description	Gold oz/ton	Silver oz/ton	Lead Bad %
Grabs				
S-6	Rusty breccia float TR #1	.01	.22	
S-8	Galena From Stringers up to 2 to 4 inches wide, TR#6	.02	107.8	62.0 - Trench #6
S-8	Limonite and rusty vein material partly exposed in TR#4	.14	31.6	
S-13	Siderite, rust, minor chalcopyrite, pyrite, trace galena partly exposed in TR#7	.04	6.58	
Channels:				
S-9	Successive 5 foot channels	.005	.52	Nil
S-10	SE to NW across 20 wide zone	.005	1.52	0.8
S-11	of altered greenstone with	.005	1.52	1.7
S-12	stringers siderite, gonge minor	.005	4.96	3.4

galena (sampled section contained much less galena than seen before scraped off for sampling)

Most of the mineralization indicated to date is in N.E. trending fractures off the main longitudinal N 60° E structure. It is my feeling that the best sections would probably be in the main north~~west~~ structures either off the longitudinal one or more probably in the main northeast

structures as in trench No. 1. and other trenches not shown on the sketch.

I have suggested that since the stripping has now reached easy to thaw over burden in most of the trenches, that the trenching be stopped for about two weeks while the trenches thaw down and the geochemical work gets caught up and ahead of the trenching.

Trenching on the UR property is showing a strong and wide zone of gullge and ~~strata~~^{Siderite} along the main structure at No. 1. and No. 2. trenches.

It is anticipated that the next trenching aided by geochemical results as a guide will be able to reach bedrock in a number of the trenches and that more significant results will be obtained in July.

Respectfully submitted.



Dr. A. E. Aho.
Director of Exploration.