

TITAN PROJECT

005637

Area B-1, Leo No. 16, Soil Sampling Grid

Reasons for Present Investigations:

Resistivity surveys in 1956 and 1959 revealed a northeast-trending series of low readings which seem to represent a strong structural system. It is possible that this system represents the extension of the Gerlitzki vein, displaced southeastward by the apparent cross-fault under Area "B-2". This system, where it is predicted to pass through the Hector-Calumet Quartzite, is very clearly defined by the resistivity survey. However, to the northeast where it passes beyond the base of the quartzite, the system forms two branches and is generally more diffuse. A diamond drill hole, R-3, was planned to test the well-defined area but, unfortunately, was in error sited too far to the north and did not intersect the favourable structure.

It was decided to cover this area with a semi-detailed soil sampling grid following the lines cut for the 1956 survey (200 feet apart) with a sample interval of 50 feet.

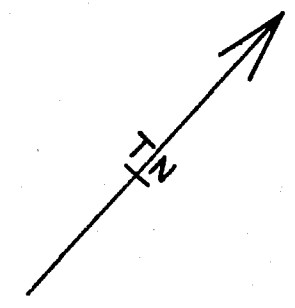
Results:

The strong peak on line 8 confirms the presence of a mercury source in the vicinity of the structure detected by the resistivity surveys. At the same time, however, another zone seems to exist further to the southeast as shown by the peaks on lines 9 and 10, and the high sample at the southern end of line 8. These peaks are on strike (N28°E) with one another, but lack any geophysical confirmation.

Conclusions and Recommendations:

The mercury peaks developed in this area have given sufficient encouragement to indicate the need of further, more detailed sampling. It is recommended that soil sampling at a 20-foot sample interval be carried out over lines 8 + 50 and 9 + 50 and with a 50-foot sample interval over lines 11 and 12 to the northeast. The overburden is quite shallow in much of this area.

David L. Seymour:d
Vancouver, B.C.
October 11, 1963.

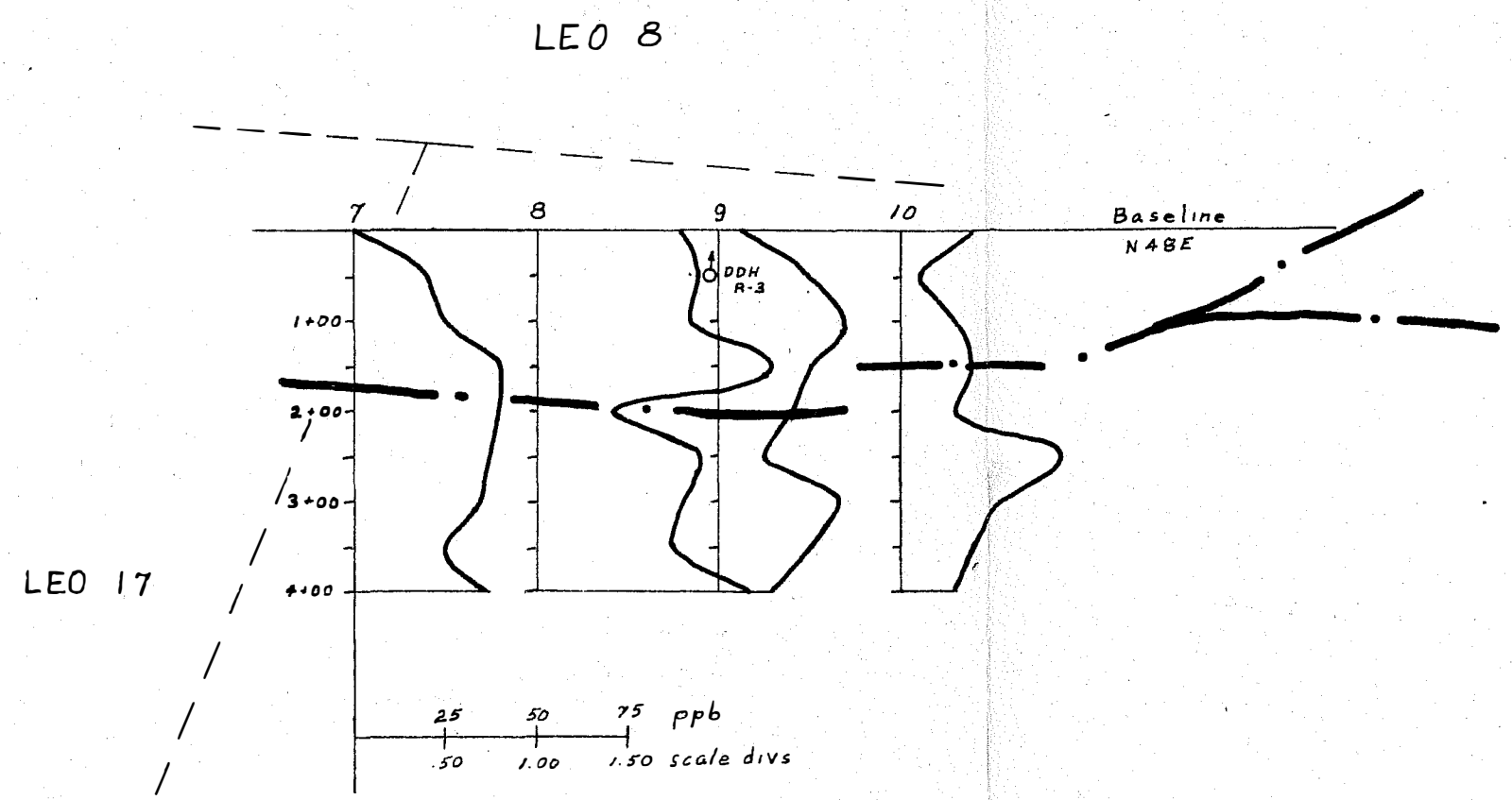


Scale
1" = 200'



Legend

- Claim boundary
- Hg Profile
- Resistivity low trend



25 50 75 ppb
.50 1.00 1.50 scale divs

SILVER TITAN PROJECT
MAYO, YUKON

AREA B-1 ~ LEO 16
SOIL SAMPLE GRID
LOCATION

and

MERCURY DETECTOR PROFILES

Sampled by	T.S f HB
Analyzed by	DLS
Compiled by	DLS & MOH
Drafted by	MOH
Date	October 10, 1963

U.K.H.M. Ltd.