TITAN PROJECT

005639

KPO No. 1 - Follow-up Soil Sample Grid

Reasons for Present Investigations:

A reconnaissance soil sample grid carried out in early October over part of the KPO No. 1 claim revealed two distinct mercury peaks on lines 16 and 20. Their position immediately to the north of and parallel to a strong resistivity low and lying in the vicinity of possible quartzite host-rock gave sufficient encouragement to the field personnel so that follow-up sampling at 20-foot intervals was recommended for the area between the two peaks.

Results:

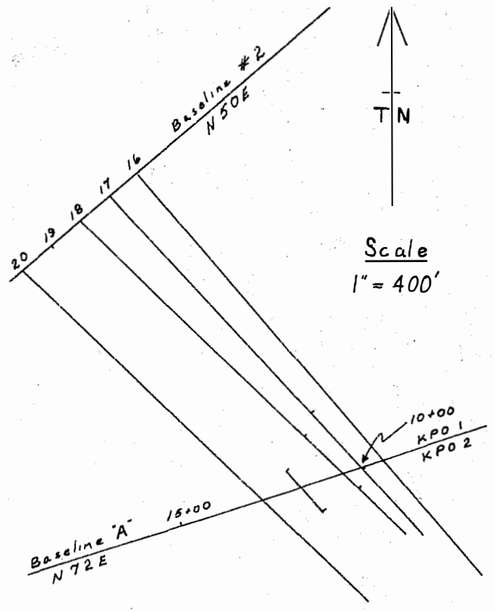
The results of the recent follow-up sampling are rather disappointing. As a start, a tape and Brunton check of the area showed that the line-cutting had been poorly surveyed and that a line joining the two mercury peaks coincided with the geophysics anomaly rather than occurring some 40 feet to the north as one might have expected from past experience. However, the peak at 8+50 on line 16 appears to be confirmed by peaks of lesser magnitude on lines 17 and 18. The northernmost sample on line 19 is somewhat above background and lies on strike with the three peaks mentioned above. No continuation of this geochemical trend shows upon line 20, but the 50-foot sample interval could possibly have missed a narrow anomalous zone. Another weaker trend starting with the peak on line 20 seems to exist, but the peaks are so weak as to be less than the analytical error of the mercury detector.

Conclusions and Recommendations:

An accurate and intelligent interpretation of the results will not be possible until some evidence to prove or disprove the reliability of the crude analytical techniques is forthcoming from the planned pitting programme. Certainly some encouragement can be derived from the two apparent geochemical trends, weak though they may be. It is quite likely that the bedrock in this area is not massive quartzite but rather thin-bedded quartzite with interbedded schist - and this may be responsible for an erratic distribution of suboutcropping mineralization. Additional sampling to the northeast of line 16 and to the southwest of line 20 is recommended providing the pitting results are favourable.

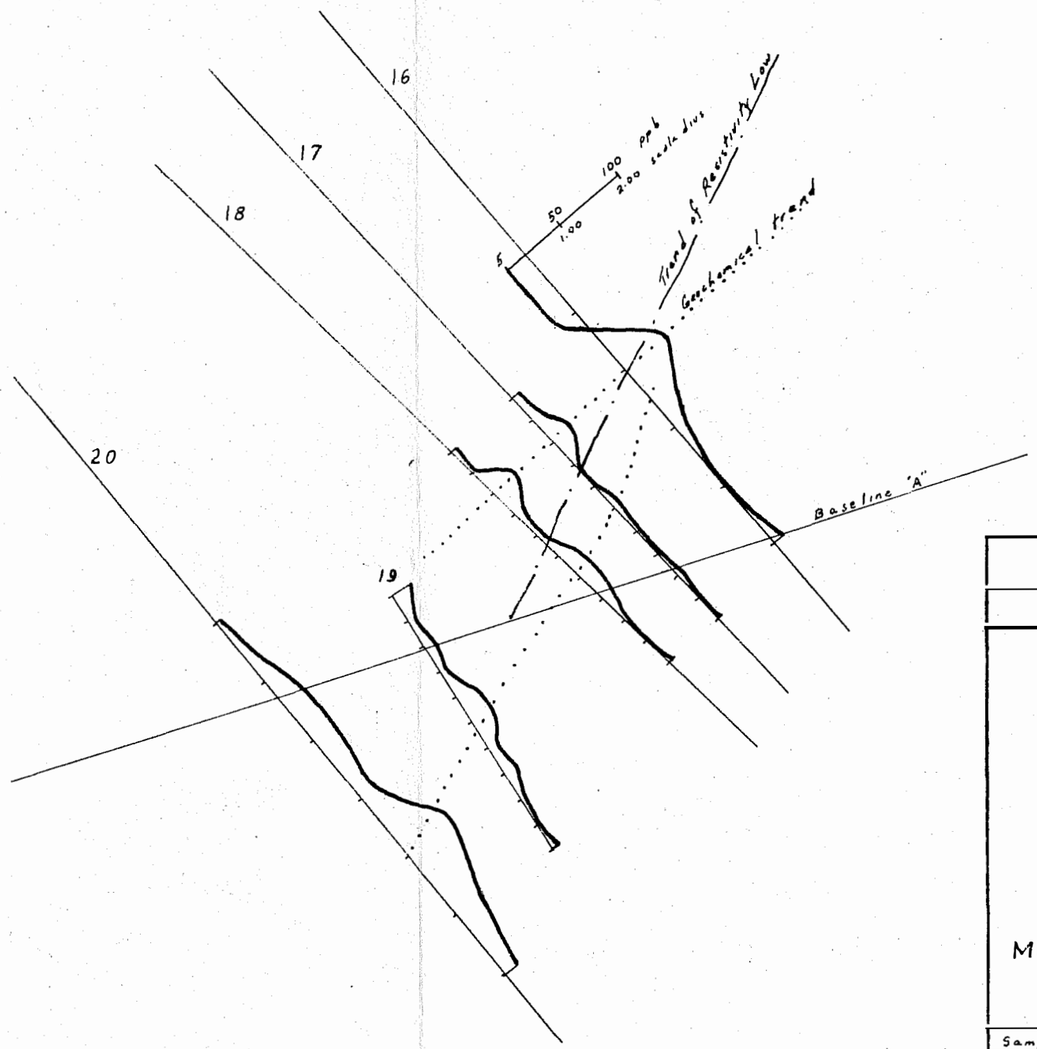
David L. Seymour
Vancouver, B.C.
31 October, 1963.

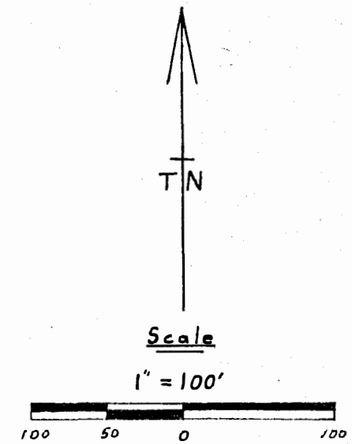
DLS:jhw



LOCATION KEY

Scale
1" = 400'





Scale
1" = 100'

100 50 0 100

TITAN PROJECT
MAYO, YUKON

KP01

FOLLOW-UP
SOIL SAMPLE GRID

LOCATION

and

MERCURY DETECTOR PROFILES

Sampled by	TS & HB
Analyzed by	DLS & MOH
Compiled by	DLS & MOH
Drafted by	MOH
Date	October 30, 1963