



Energy, Mines and
Resources Canada

Geological Survey
of Canada Sector

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Énergie, Mines et
Ressources Canada

Secteur de la Commission
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802678

25 June 1991

P. Lougheed
Senior Geologist
Prime Explorations
11th Floor, Box 10
808 West Hastings Street
Vancouver, B.C. V6C 2X4

Dear Peter:

The Bondar-Clegg analyses for Tantalus samples, in general, especially as pertains to gold, are rather disappointing. Most samples are low in gold including the high pyrite, sartorite- and natroalunite-bearing samples (OHSA-545 and 546) and my high pyrite samples (KQ-90-180A, 180B, 182C and 182D) west of the Treaty Glacier.

The most encouraging samples are KQ-90-171A, 171B and 171C (spaced about 100m apart) and KQ-89-136B (about 200-300m north) near the Treaty Glacier on the western-most extremity of the Treaty Gossan (see attached location map). These samples of altered pyritic plagioclase-hornblende porphyry (diorite to monzodiorite?) cut by pyrite, quartz veinlets (impart leached-even in fresh outcrops adjacent ice) suggest a fairly large area anomalous in gold. This area is similar to parts of the Konkin Nunatak.

Samples KQ-89-122D and 122E (pyritic altered rhyolite-ridge crest northeast of main Treaty Gossan) and KQ-89-136B (pale quartz sericite, pyrite schist west side of main gossan, mentioned above) anomalous in gold are cut by 1 to 3% quartz veinlets. This relationship suggests to me that in prospecting the main Treaty Gossan that emphasis should be placed on finding and sampling veins.

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We very much appreciate your and Prime's help in obtaining analyses on these samples. I just wish that we had been a bit more lucky in finding gold-rich samples! Perhaps this summer?

Sincerely,

A handwritten signature in cursive script that reads "Rod Kirkham". The signature is written in dark ink and is positioned above the typed name.

R.V. Kirkham

RVK/lo

cc: J. Chapman
S.B. Ballantyne

TREATY GLACIER

Anomalous
bedrock Au

Treaty Gossan

Anomalous
Au

9-127C
127B
127A

9-128A
9-128B
9-125B
9-125A
9-124

N
1:20 000
Scale

