Energy, Mines and Resources Canada Geological Survey of Canada Sector 601 Booth Street Ottawa, Ontario KIA 0E8

Énergie, Mines et Ressources Canada Secteur de la Commission géologique du Canada 803625 Kerr-Sulphorets 104B/8

October 23, 1989

R.S. Hewton/B.P. Butterworth Western Canadian Mining Corp. 1170 - 1055 West Hastings St. Vancouver, British Columbia V6E 2E9

Dear Bob and Brian,

I have just returned from the Geochemical Symposium and a field trip in Brazil. Quite a different working environment (lateritic weathering 100 m) and temperatures (41°C + humid) from those on the Kerr ridge!

I have received reject samples from Tedray 2 and 1989 holes 2, 4, 6 and 8. They are being processed so that

- heavy liquid separation of sulphides plus heavies can be mounted for microprobe and SEM studies
- 2) crushed and ground for slides for XRD mineral analysis
- 3) crushed and ground splits for INAA gold plus 33 analysis on 10 plus grams
- 4) crushed and ground for XRF-ICP whole rock, majors, minors and traces including copper (to be done in GSC labs for continuity with previous work)
- 5) remaining sample of large chips saved for microprobe mounts, polished thins, HF dissolution and 3D SEM studies of grains.

We appreciate the well organized manner in which these samples were presented and we definitely thank you for the opportunity to work on the different alterations and mineralization styles of the Tedray and 1989 drilling of the B-zone.

While in Brazil, a third-world country, I learnt the expression "This is Brazil" which is used when waiting in airports, rescheduling, in checking out of big hotels, waiting for waiters etc.

I do not know why the water bottles etc. took so long to get there.

Canadä'

However, everything arrived here and the labs are filtering them now. Earlier this year people shipped 2 rock pails of waters to me from Edmonton. One arrived here in Ottawa and the other, Rod found at the Shippers in Stewart when he was leaving with his stuff, which he was shipping back to me! So "This is Canada". There are enough samples to work on from well chosen sites so I hope that our work will assist you and Norecol with interpretation. Newhawk is using my 1987 study of waters on their ground in their permitting and background environmental work.

We wish to continue to be involved with the Kerr program and to cooperate fully in confidence as required with you and Placer-Dome as new participants in Sulphuret's Gold Corp.

Please discuss our involvement and more importantly the timely release of data. Please find enclosed some preliminary plots of drill hole 18 in a format which is being considered for publication.

Done and I would like to have assay and/or geochemical results and logs of the holes which you have sent rejects for. This gives us a chance to place priorities on detailed sample identification and to systematically prepare polished mounts, sections etc. from the remaining rocks chips. Please advise us on any new working relationships in this regard. Could you also please return a copy of the enclosed 1988 drill hole and zone map with the T-2 and 1989 2,4, 6, 8 holes marked on it (to scale and direction)?

Once again thank you for the samples and for looking after our field man R.V. Kirkham. Please advise if you require any 35 mm slides from our detailed mineralogical studies. We have provided some for Newhawk and Mount Milligan.

Rod is giving a talk at GSC Forum in January in Ottawa.

Regards.

S.B. Ballantyne

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c.c. R.V. Kirkham D.C. Harris