

To L. P. Taggart

Copy to R. McCallum
J. Purkis
R. Tolbert

From J. G. Simpson

Date May 26, 1982

Subject Grum Model

As you are aware, the current Grum modelling exercise is based on 200-foot spaced sections only, from 62 to 80 W inclusive, and ignores the intermediate sections which have a sparse data base. This work is largely falling to Dave Jennings as no other experienced personnel is available and, in practice, only one person can work to an original interpretation.

A conceptual model will be available for discussion on June 7th. The current target date for a detailed cross sectional model is 30 June, 1982. Neither model will include the intermediate sections nor the Kerr Addison assay data on these sections.

The current conceptual model indicates strongly that the single equidimensional pit as previously envisaged will not take full advantage of the deposit configuration. It is likely that 8 - 10 million tons of 9% plus material may be available by application of an elongate pit following the trace of a major antiformal fold. It is suggested that if this probability is obvious to all concerned after the 7th June meeting, the engineering staff be requested to develop a suitable alternate pit design that could then be applied to the detailed model at the end of June.

It is suggested that P. Clarke be requested to evolve an intermediate computer model on the basis of the 200-foot sections and redesigned pit as the fill-in data, i.e. relog of intermediate sections and re-assay, etc., cannot be available before late 1982.

Similarly, I am working on a new conceptual model of the DY deposit. No firm date can be placed on the completion of this as it is subject to my availability. However, it is suggested that the current simplified model and Rashid's first-pass evaluation of underground exploration and development could be used for comparative purposes.

All extant models for Grum and DY will be in Faro as of 7th June through the field season, so that an intensive geological and engineering effort can be put into the models through the mine shut down.



J. G. Simpson

JGS/ck