

Geological Society of Zimbabwe



PRACTICAL 3D MODELS

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SUMMARY

The intent of all mineral exploration is to identify the presence of economic concentrations of the desired mineral in the ground and then mine it out (at profit!).

The level of risk is generally considered as high – it takes more effort to convince an investor

- The opportunity must be clear
- Risks well articulated

Visuals are worth more than a thousand words

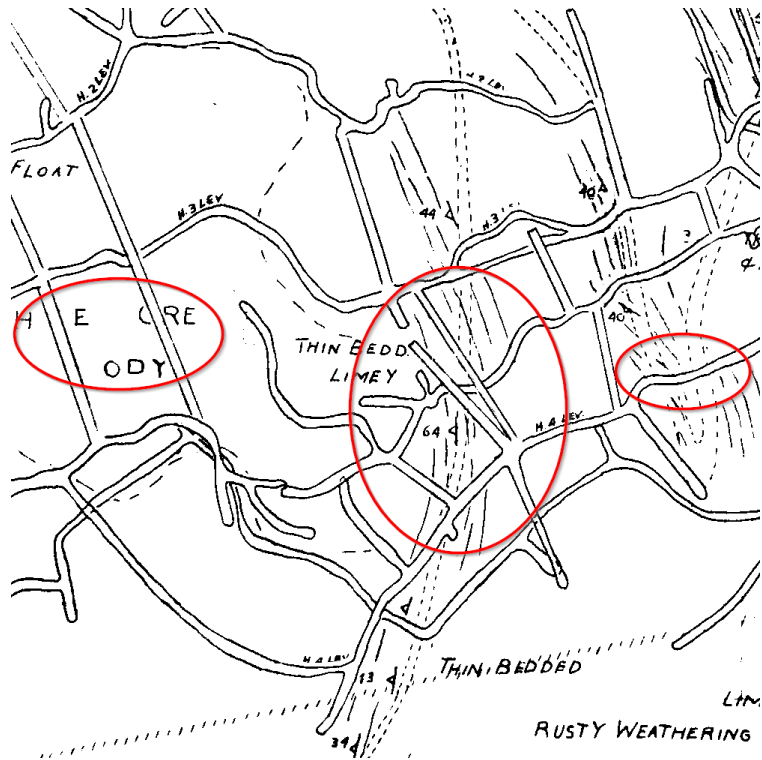
Most enterprises want the product not the process



HOW WE GOT HERE

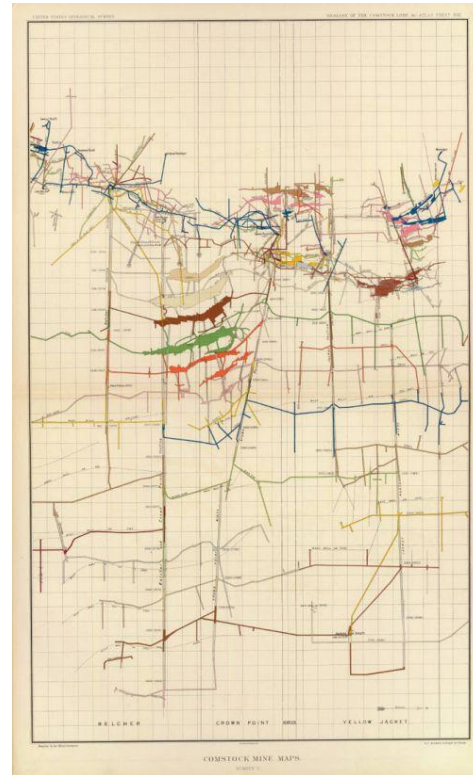
Hand drawn plans

Done on paper then Sepia



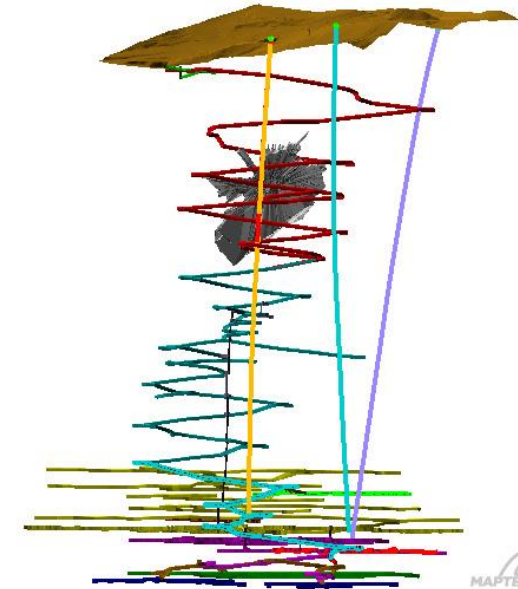
Digitized plans

Using CAD



3D models

VR vs AR





TYPICAL SOFTWARE



FAST, DYNAMIC GEOLOGICAL MODELLING



MineRP
Powered by Epiroc





PRODUCTION GIS UNLOCKING POTENTIAL

- Data visualization provides a powerful storytelling mechanism
- Allows businesses to convey complex information in compelling & memorable ways.

The process of finding ore is greatly enhanced if a geologist can translate imagination into visuals.



- Target setting and communication of ideas becomes efficient



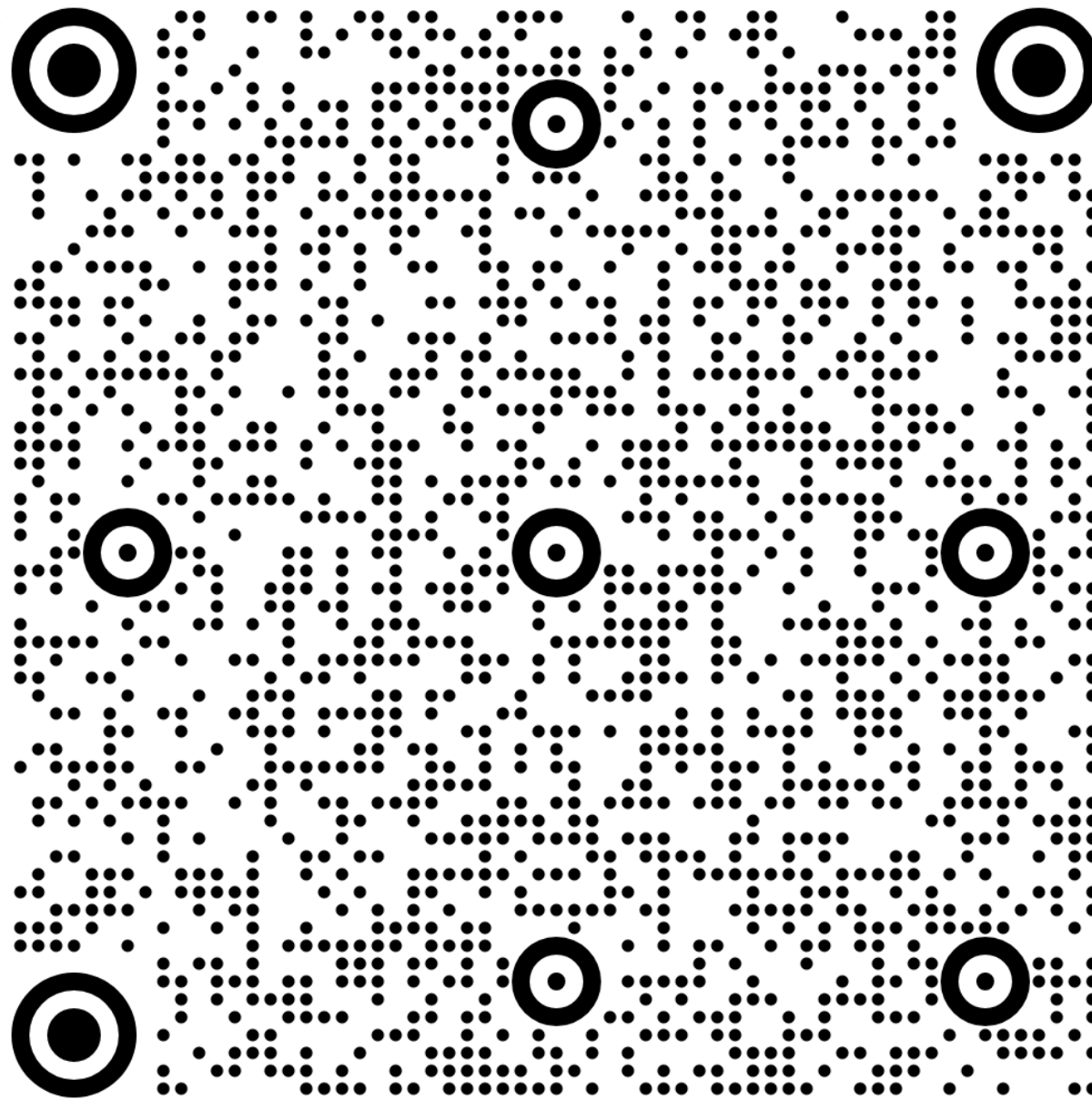
WHERE WE ARE GOING



The Use of AI will disrupt the exploration and mining industry.

- It's all about efficiency





THANK YOU

