Underground mapping for better

understanding of the geology and

good mining practice

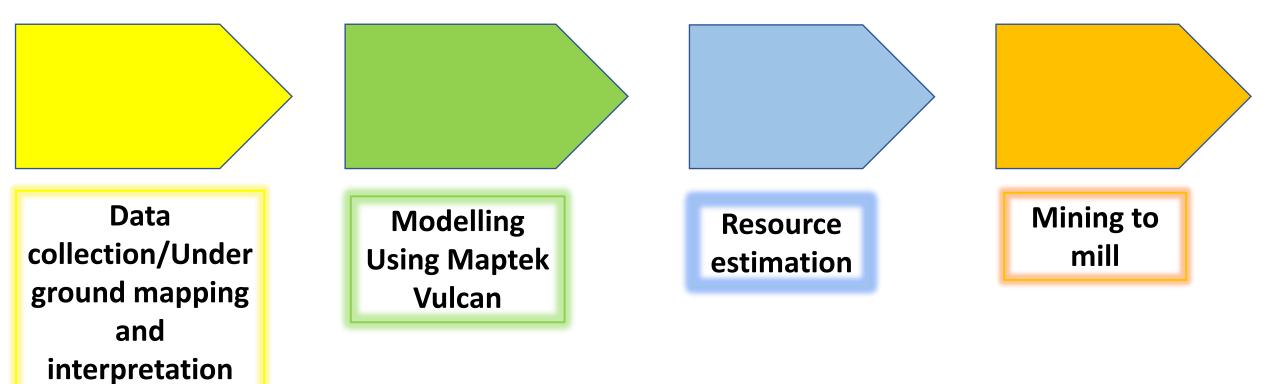
Introduction:

Underground geological mapping is a key activity to guide the grade control by maximising value and reducing risk, support delivery of tonnes at an optimum grade to the mill, via the accurate definition of ore and waste.

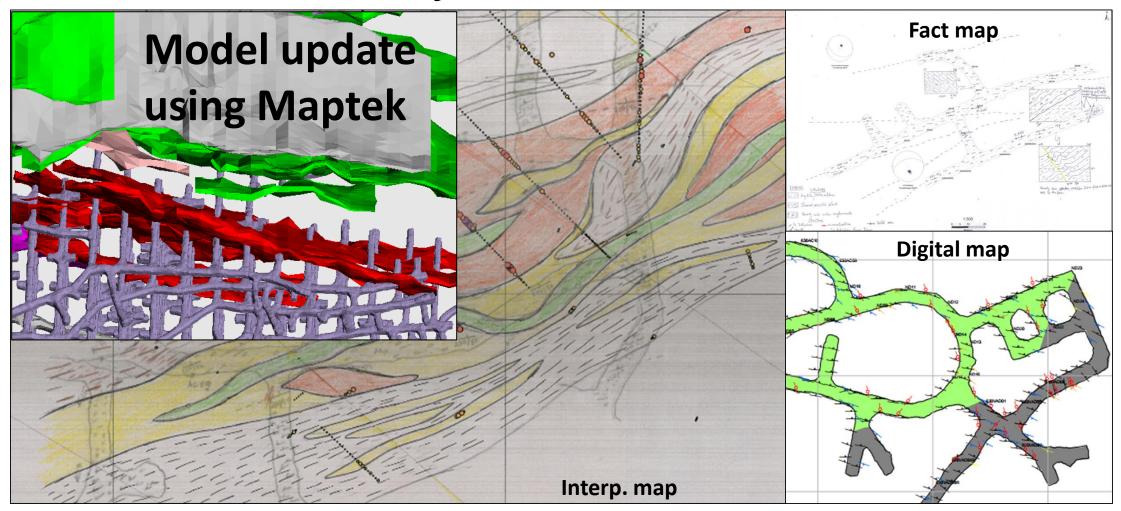
It consists of data collection, integration and interpretation, local resource estimation, stope design, supervision of mining and stockpile management.

Underground mapping is for a better geological understanding of the ore body and good mining practice.

Methodology



Result and Analysis



□ Fact maps (data collection) presents structure trend, structure events, rock types, alterations and mineral styles,

□ Map interpretation integrate grade control holes and channel sampling; map to be geof.

Level maps conducts to produce an accurate geological model and better control of ore mining and recovery.

Conclusion

The following are the benefits of underground mapping;

Accurate lithology and structure models for geological and geotechnical analysis,

□Accurate ore wireframe and block model for mining,

□Stope optimization

Good mining practice by minimizing dilution into ore block

Good ore stock pile management

Good recovery after mining

References and Bibliography

□Grade control geological mapping in underground gold vein operations □<u>https://www.tandfonline.com/doi/abs/10.1179/1743275812Y.0000000019?j</u> ournalCode=yaes20

□Maptek Vulcan

https://www.maptek.com/products/vulcan/

Disclaimer...

This website is operated by Mining-Doc. Throughout the site, the terms "we", "us" and "our" refer to Mining-Doc. Mining-Doc offers this website, including all information, tools and services available from this site to you, the user, conditioned upon your acceptance of all terms, conditions, policies and notices stated here. These Terms of Service apply to all users of the site, including without limitation users who are browsers, vendors, customers, merchants, and/ or contributors of content. We are not responsible if information made available on this site is not accurate, complete or current. The material on this site is provided for general information only and should not be relied upon or used as the sole basis for making decisions without consulting primary, more accurate, more complete or more timely sources of information. Any reliance on the material on this site is at your own risk.

The case studies provided are for educational and knowledge sharing purpose only. The document is not intended to be considered for investment purpose, engineering design and should not be applied without consulting a professional engineer or competent person.

We do not warrant that the quality of any case study or profile information, or other material obtained by you will meet your expectations, or that any errors in the Service will be corrected. We are not responsible for examining or evaluating the content or accuracy of case studies that are presented by candidates and we do not warrant and will not have any liability or responsibility for any candidate's materials or for any services of third-parties. We are not liable for any harm or damages related to download of any case study or services by candidates.

You expressly agree that your use of, or inability to use, the service is at your sole risk. The service delivered to you through our platform (except as expressly stated by us) provided 'as is' and 'as available' for your use, without any representation, warranties or conditions of any kind, either express or implied, including all implied warranties or conditions of merchantability, merchantable quality, fitness for a particular purpose, durability, title, and non-infringement.

In no case shall Mining-Doc, our directors, officers, employees, affiliates, agents, contractors, interns, suppliers, service providers or licensors be liable for any injury, loss, claim, or any direct, indirect, incidental, punitive, special, or consequential damages of any kind, including, without limitation lost profits, lost revenue, lost savings, loss of data, replacement costs, or any similar damages, whether based in contract, tort (including negligence), strict liability or otherwise, arising from your use of any of the service or for any other claim related in any way to your use of the service, including, but not limited to, any errors or omissions in any content, or any loss or damage of any kind incurred as a result of the use of the service or any content posted, transmitted, or otherwise made available via the service, even if advised of their possibility. Because some states or jurisdictions do not allow the exclusion or the limitation of liability for consequential or incidental damages, in such states or jurisdictions, our liability shall be limited to the maximum extent permitted by law.