

Capability Statement

Mineral Asset Valuation

A Mineral Asset Valuation aims to provide an estimation of the value of an asset in money or monetary equivalent. Independent and objective Mineral Asset value determination provides critical foundations for informed decision-making in the minerals industry. It is typically used to determine the sales price in a sales transaction. For mining and exploration projects, valuations are frequently done in compliance with the mineral valuation reporting codes SAMVAL, VALMIN and CIMVAL, depending on the reporting jurisdiction, investor requirement or assessment purpose.

Application of Mineral Asset Valuations



Approaches to Mineral Asset Valuations

There are three general approaches accepted for the valuation of Mineral Assets across the development stages of a project or mine, namely the income approach, market approach and cost approach. Various methodologies can be applied for the chosen approach. The methodology utilised must be justified by the Valuator.

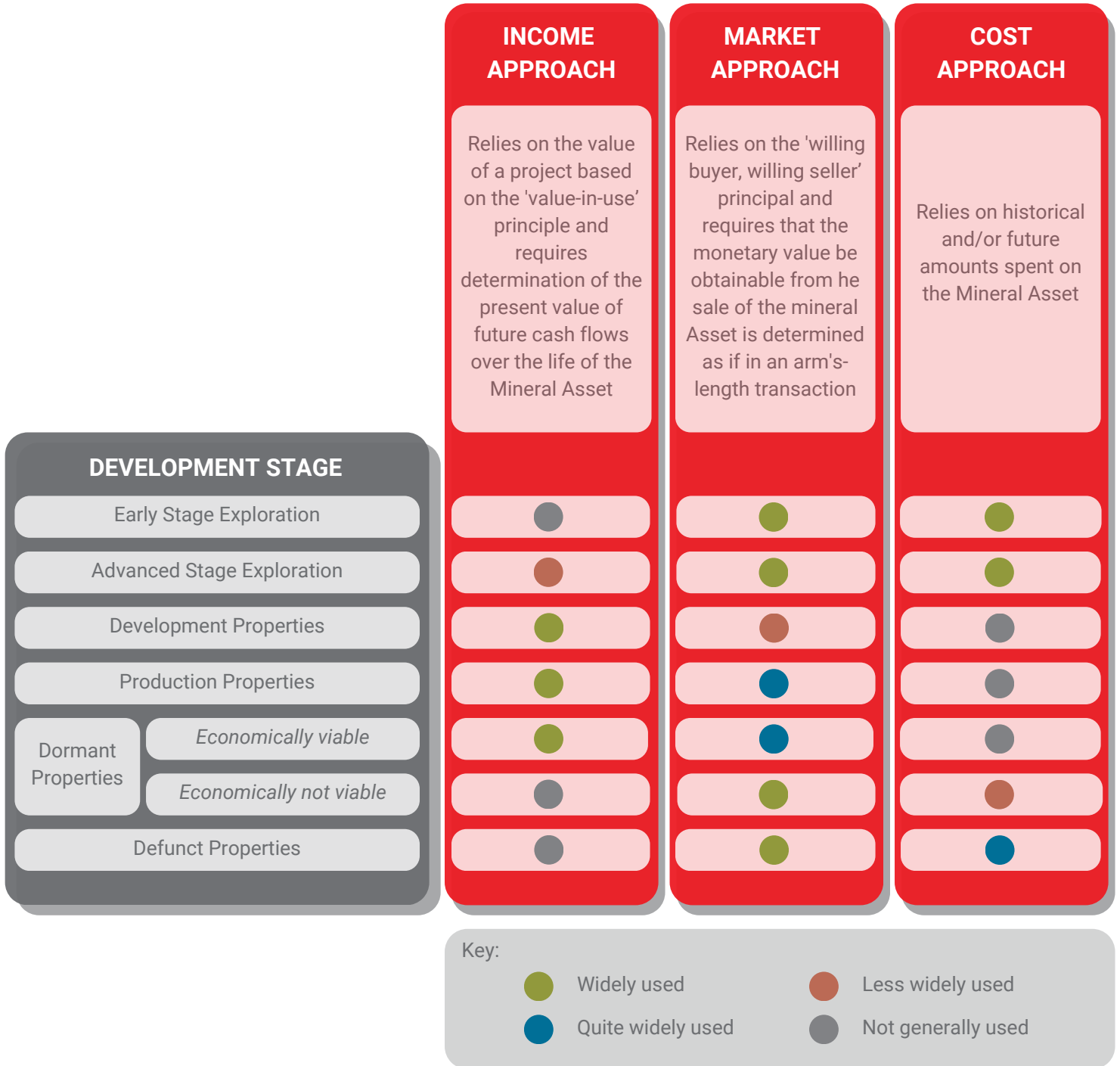
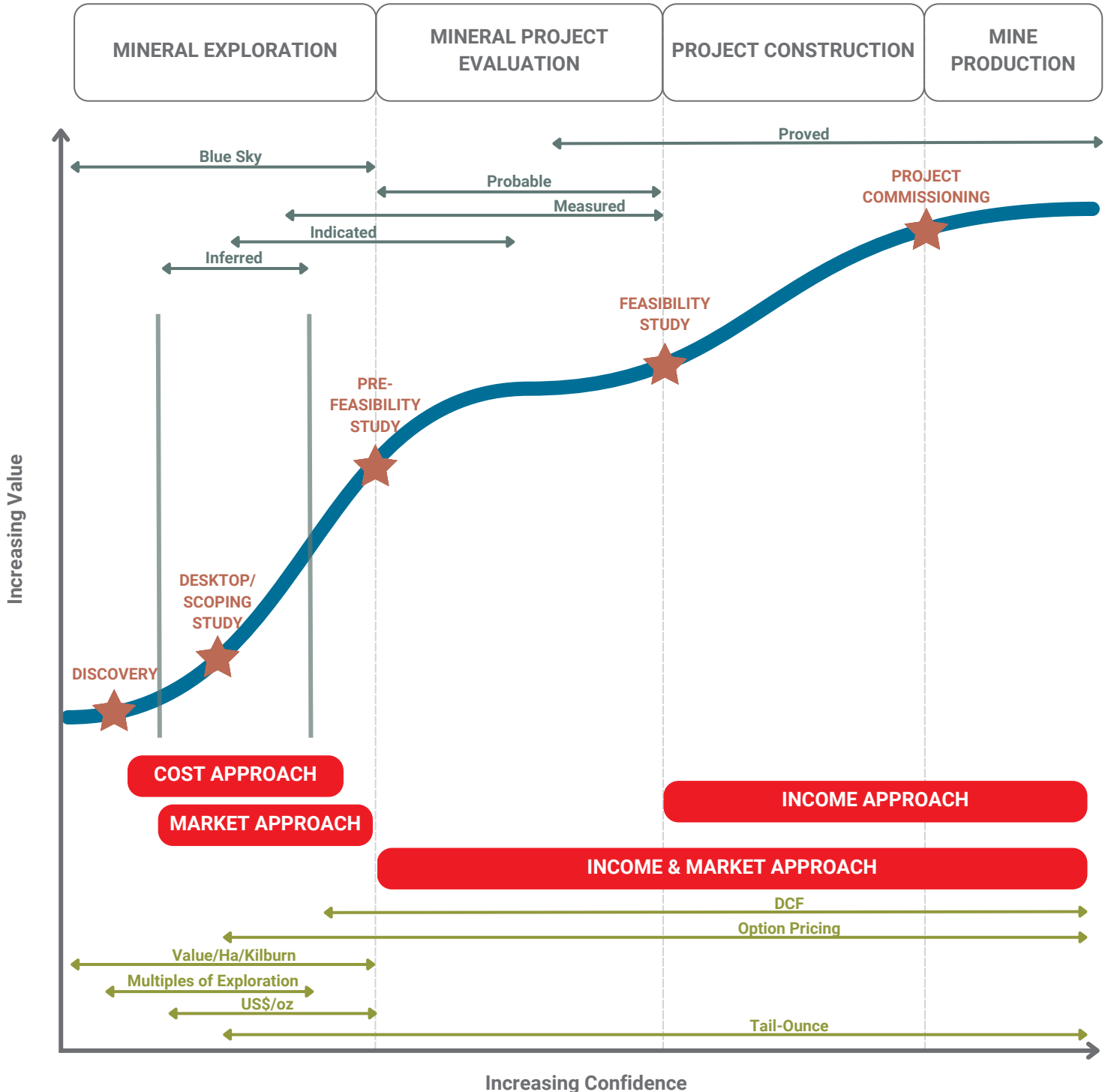


Table 1: Valuation approaches based on SAMVAL Code (2016 Edition)

Development Stages of Mineral Assets

VBKOM utilises the following modified Hope, R.B. Engineering Management model from 1971 for determining the valuation method to apply.



A function of the amount of knowledge on a mineral resource/property and the degree of probability of it being brought to account.

Figure 1: Valuation methodologies that can be applied at different development stages of Mineral Assets. Modified after Hope (1971) - Engineering Management Model

Technical Team

To achieve optimal technical services delivery, VBKOM formalised an association with Mineral Valuation Group (Pty) Ltd (MVG) through a memorandum of understanding. MVG boasts over two decades of specialisation in mineral asset valuation globally across various commodities, project types and purposes. Bolstered by the technical project and mining expertise of VBKOM, this collaboration ensures comprehensive and intimate consideration of all aspects of the mineral asset in determining its value.

STRAUSS OOSTHUIZEN

*Executive Technical Delivery
VBKOM*



Strauss holds a BEng (1st class) Industrial and a BEng (Hons) Industrial from the University of Pretoria and is a registered Professional Engineer with ECSA and Project Management Professional.

Strauss has extensive Industrial Engineering, Operational Readiness, Financial Modelling and Risk Management experience in iron ore, gold, oil & gas, graphite, copper & cobalt, phosphate, Supply Chain and Logistics for mining and capital-intensive industries.

MARIA ANTONIADES

*Senior Geology
Consultant VBKOM*



Maria has a BSc in Geology and a BSc (Hons) in Geology from the University of Pretoria, as well as an MSc in Environmental Science from the University of the Witwatersrand. She is a registered Professional Geologist with SACNASP.

Maria has extensive experience in the assessment of mineral projects from geological studies to valuations across a wide range of commodities. Maria has been involved in Competent Person's Reports, Competent Valuator's Reports, Due Diligence Studies, Merger and Acquisition transactions, Scoping and Feasibility Studies.

GERT KRIEL

*Competent Valuator
MVG*



Gert has a BSc in Mathematics from the University of Pretoria, BCom Hons in Economics from the University of South Africa and is a Chartered Financial Analyst (CFA).

Gert has been involved in Due Diligence Studies, Merger and Acquisition transactions, Scoping and Feasibility Studies, Competent Valuator's Reports, Business Improvement, Impairment Tests, Techno-Economic Statements and Management Consulting. Gert's experience has included involvement in a wide range of commodities, including PGMs, gold, coal, chrome, Rare Earth Elements and base metals, and he has travelled to various operations and projects throughout Africa.

IAAN MYBURGH

*Competent Valuator
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Iaan holds a BSc in Mathematics from the University of Pretoria and is a CFA.

Iaan has been involved in Competent Person's Reports, Competent Valuator's Reports, Due Diligence Studies, Merger and Acquisition transactions, Scoping and Feasibility Studies, Business improvement, Impairment Tests and Techno-Economic Statements. Iaan's experience has included involvement in a wide range of commodities, including diamonds, platinum group metals, gold, coal, chrome, uranium, and base metals.



The VBKOM Value Proposition

At VBKOM we leverage a deep understanding of international technical disclosure standards for Mineral Asset Valuations, including the SAMVAL, VALMIN and CIMVAL codes. Our Competent Valuers are registered with recognised professional bodies, have sufficient and appropriate technical and industry experience, and have extensive experience in mineral asset valuations.

Our competence base spans across all commodities and covers all Mineral Asset Valuation aspects of the Project Value Chain throughout the lifecycle of any project. Our outputs are tailored to align with the purpose of your valuation, including investment and securities exchange documentation, such as Competent or Qualified Valuator Reports.

The VBKOM Valuation team, together with our associates, focus on generating high quality, independent value assessments of your mineral asset that are appropriate and auditable, supported by robust databases and strong commercial insights. We pride ourselves on the pillars of materiality, transparency, competency and reasonableness.

Visit VBKOM website and social media for more information:

