

Geoscience and Exploration

The purpose of Geoscience and Exploration is to advance mineral growth initiatives and operations in a sustainable manner through the application and management of earth science expertise, supporting Kumba Iron Ore's business strategy and ensuring statutory compliance.

Mineral Asset Management

- Competent person reports
- Strategic inputs
- Prioritise and align prospecting with strategy
- Intellectual capital management
- Statutory compliance
- Centralized mineral asset management
- Legal agreements to prospect
- Representation (SAMREC, SIMREC etc)

Growth prospectus

- Evaluation of geological factors
- Centralised, prioritized prospecting
- Feasibility studies
- Resource estimation and/or auditing
- Reporting – technical and statutory

Operations

- Integrated prospecting to optimize mineral asset exploitation
- SAMREC compliance
- Mineral resource risk identification
- Mineral resource risk mitigation
- Codes of practice

Mineral Asset Base

- Prospecting and mining right application
- Conversion of old order rights
- Centralised mineral asset base
- Centralised mineral portfolio management
- Compliant reporting



Spatial Information

- Modelling and geostatistics
- GIS tools
- Spatial data expertise
- Spatial data warehouse
- Corporate gate keeping

Commodity Expertise

- Commodity expertise
- Integrated prospecting management
- Standards and working procedures
- Coordinate application of best practice

Resource Estimation

- SAMREC compliance
- Competent reporting
- Risk identification and management
- Auditing of resource/reserves

Expert Functions

- Geotechnical design, audits, COP, consultation
- Geohydrological management, EMP, audits
- Geophysical interpretation and consultation
- Structural mapping and interpretation
- Economic evaluation of mineral assets
- Competent buyer/councilor