GEOLOGICAL LOGGING
Logging is critical at the beginning of a project to understand both the ore body and the structure of the local and regional geology. Data collected from drill core, rock chips, trenches, pits and bulk samples are used to build up a three dimensional geological model of both the ore body and the surrounding rocks. This model is then used as part of the Resource and Reserves model for calculating the economic value of the ore body. Data are collected about:
- Logging location
- Lithology
- Mineralisation
- Structural details
- Physical properties
- Soil properties
- Preparation of samples for analysis

GEOCHEMICAL SAMPLING
Sampling on a grid system for field evidence of mineralisation is key to generating targets. These samples can be collected, screened and preliminarily tested in the field. Field testing gives a first interpretation of the anomaly sampled. Fugro-Suhaimi strives to provide accurate and precise data related to geochemical sampling. Along with the grid shape and size, data are collected about each sample’s location, methods, volume, type, geology and number.

FUGRO-SUHAIMI LTD provides a team of technically competent staff to manage drill sites and exploration activities on your behalf. We provide geological services and solutions related to the curation and sampling of rock and soils to build a model of the geology and resources of a potential ore body.

FUGRO-SUHAIMI
GEOSCIENCE FIELD INVESTIGATION

Geochemical samples ready for analysis.
GEOLOGICAL MAPPING
Mapping provides the framework onto which the geological model is dropped. This mapping links all of the drilling, pitting, trenching and geochemical sampling together, allowing relationships between the mineralisation of a licence and the geology to be fully understood. Data are collected about:
- Geographical features
- Geological features
- Visible mineralisation
- Structural features
- Location of data collection point

GEOPHYSICAL MAPPING
Geophysical mapping from the surface adds to the drilling data by giving more detail to the three dimensional model. Geophysics uses electrical and physical properties of the earth to determine the presence of mineralisation and to identify structures within the Earth. The 3D model from the geophysics can be combined with the 3D model from the drilling. Data are collected about:
- Area surveyed
- Geophysical methods used
- Interpretation methods used
- Target strength assessment

FIELD MANAGEMENT
Management of quality assurance and quality control (QA/QC) reporting, including surveying, along with applying health and safety (HSE) requirements are maintained to the highest standards. All activities need to be transparent and repeatable for the purposes of QA/QC, which is included in Resource and Reserve reporting.

Field Management involves reporting on both the activities carried out - such as geochemical sampling and geophysical surveys - and the data collected. These reports give solutions to the services provided by Fugro-Suhaimi Ltd.